# VIA CERTIFIED MAIL RETURN RECEIPT NO. 7006 2150 0001 5019 9396

June 30, 2008

Division of Water KPDES Branch Inventory & Data Management Section Frankfort Office Park 14 Reilly Road Frankfort, Kentucky 40601

Re: Application for Renewal of Permit No. KY0105023

#### Dear Madam/Sir:

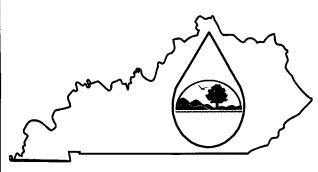
Enclosed are completed application Form 1 and Form C for renewal of the KPDES permit to discharge non-process waters and storm water at the Commonwealth Agri-Energy, LLC fuel alcohol plant in Hopkinsville. In addition, a USGS topographic map, site plan, property boundary layout drawing, and water line drawing are provided for your review as attachments to the application forms.

Thank you for your review of this information. If you have any questions or need additional information, please contact Mr. David Gibson, Plant Engineer or me at (270) 475-4415.

Yours truly,

Commonwealth Agri-Energy, LLC

Mick Henderson General Manager



## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

This is an application to: (check of		
	one)	A complete application consists of this form and one of the
Apply for a new permit.		following:
Apply for reissuance of exp Apply for a construction pe	piring permit.	Form A, Form B, Form C, Form F, or Short Form C  For additional information contact:
Apply for a construction pe	ermit.	<b>1</b>
Modify an existing permit.		For additional information contact:
Give reason for modification	on under Item II.A.	KPDES Branch (502) 564-3410
		AGENCY ()   ()   ()   ()   ()   ()
I. FACILITY LOCATION AN	D CONTACT INFORMATION	USE   ()     ()   7   U   L   U
A. Name of business, municipality, comp	any, etc. requesting permit	
Commonwealth Agri-Energy, LLC		C Facility On war Mailing Address
B. Facility Name and Location		C. Facility Owner/Mailing Address
Facility Location Name:		Owner Name:
Commonwealth Agri-Energy, LLC		Commonwealth Agri-Energy, LLC
Facility Location Address (i.e. street, road	1, etc.):	Mailing Street:
4895 Pembroke Road		4895 Pembroke Road
Facility Location City, State, Zip Code:		Mailing City, State, Zip Code:
Hopkinsville, KY 42240		Hopkinsville, KY 42240
		Telephone Number: (270) 475-4415
A British Company		
II. FACILITY DESCRIPTION	ht use and elektrication	
	f activities, products, etc: Renewa i water and non-contact cooling wa	of NPDES permit for 35-million-gallon-per-year fuel alcohol sters and blowdowns.
		1
	(9) 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
B. Standard Industrial Classificat	ion (SIC) Code and Description	
Principal SIC Code &	=	
	ion (SIC) Code and Description 2869 Industrial Organic Chemica	ls, NEC (ethyl alcohol)
Principal SIC Code & Description:	=	ls, NEC (ethyl alcohol)
Principal SIC Code &	=	ls, NEC (ethyl alcohol)
Principal SIC Code & Description: Other SIC Codes:	=	ls, NEC (ethyl alcohol)
Principal SIC Code & Description: Other SIC Codes: III. FACILITY LOCATION	2869 Industrial Organic Chemica	
Principal SIC Code & Description: Other SIC Codes:  III. FACILITY LOCATION A. Attach a U.S. Geological Surv	2869 Industrial Organic Chemica	the site. (See instructions)
Principal SIC Code & Description: Other SIC Codes:  III. FACILITY LOCATION A. Attach a U.S. Geological Surv. B. County where facility is located	2869 Industrial Organic Chemica	the site. (See instructions) City where facility is located (if applicable):
Principal SIC Code & Description:  Other SIC Codes:  III. FACILITY LOCATION A. Attach a U.S. Geological Surv B. County where facility is locate Christian	2869 Industrial Organic Chemica vey 7 ½ minute quadrangle map for ed:	the site. (See instructions)
Principal SIC Code & Description:  Other SIC Codes:  III. FACILITY LOCATION  A. Attach a U.S. Geological Surv. B. County where facility is locate Christian  C. Body of water receiving disch	2869 Industrial Organic Chemica vey 7 ½ minute quadrangle map for ed:	the site. (See instructions)  City where facility is located (if applicable): Hopkinsville
Principal SIC Code & Description:  Other SIC Codes:  III. FACILITY LOCATION  A. Attach a U.S. Geological Surv. B. County where facility is locate Christian C. Body of water receiving disch storm water retention pond, on-si	2869 Industrial Organic Chemica vey 7 ½ minute quadrangle map for ed: arge: arge:	the site. (See instructions)  City where facility is located (if applicable): Hopkinsville  ary of Rock Bridge Branch of the Little River
Principal SIC Code & Description:  Other SIC Codes:  III. FACILITY LOCATION  A. Attach a U.S. Geological Surv. B. County where facility is locate Christian  C. Body of water receiving disch storm water retention pond, on-si D. Facility Site Latitude (degrees)	2869 Industrial Organic Chemica vey 7 ½ minute quadrangle map for ed: arge: arge:	the site. (See instructions)  City where facility is located (if applicable): Hopkinsville  ary of Rock Bridge Branch of the Little River Facility Site Longitude (degrees, minutes, seconds):
Principal SIC Code & Description:  Other SIC Codes:  III. FACILITY LOCATION  A. Attach a U.S. Geological Surv. B. County where facility is locate Christian C. Body of water receiving disch storm water retention pond, on-si	2869 Industrial Organic Chemica vey 7 ½ minute quadrangle map for ed: arge: arge:	the site. (See instructions)  City where facility is located (if applicable): Hopkinsville  ary of Rock Bridge Branch of the Little River
Principal SIC Code & Description:  Other SIC Codes:  III. FACILITY LOCATION  A. Attach a U.S. Geological Surv. B. County where facility is locate Christian  C. Body of water receiving disch storm water retention pond, on-si D. Facility Site Latitude (degrees 36 48 30	2869 Industrial Organic Chemical vey 7 ½ minute quadrangle map for ed:  arge: arge: arge quarry lake, and unnamed tributes, minutes, seconds):	the site. (See instructions)  City where facility is located (if applicable): Hopkinsville  ary of Rock Bridge Branch of the Little River Facility Site Longitude (degrees, minutes, seconds): 87 25 00
Principal SIC Code & Description:  Other SIC Codes:  III. FACILITY LOCATION  A. Attach a U.S. Geological Surv. B. County where facility is locate Christian  C. Body of water receiving disch storm water retention pond, on-si D. Facility Site Latitude (degrees	2869 Industrial Organic Chemical vey 7 ½ minute quadrangle map for ed:  arge: arge: arge quarry lake, and unnamed tributes, minutes, seconds):	the site. (See instructions)  City where facility is located (if applicable): Hopkinsville  ary of Rock Bridge Branch of the Little River Facility Site Longitude (degrees, minutes, seconds):
Principal SIC Code & Description:  Other SIC Codes:  III. FACILITY LOCATION  A. Attach a U.S. Geological Surv. B. County where facility is locate Christian  C. Body of water receiving disch storm water retention pond, on-si D. Facility Site Latitude (degrees 36 48 30	2869 Industrial Organic Chemical Vey 7 ½ minute quadrangle map for ed: arge: arge: arge: te quarry lake, and unnamed tributes, minutes, seconds):	the site. (See instructions)  City where facility is located (if applicable): Hopkinsville  ary of Rock Bridge Branch of the Little River Facility Site Longitude (degrees, minutes, seconds): 87 25 00

IV. OWNER/OPERATOR INFORMAT	ION		
A. Type of Ownership:  Publicly Owned Privately Own		X Farme	er-owned Cooperative ate Owned  Federally owned
B. Operator Contact Information (See instr		J Boui Fuone and Filva	ate Owned rederany owned
Name of Treatment Plant Operator:	. uotionaj	Telephone Number:	
N/A			
Operator Mailing Address (Street):			
Operator Mailing Address (City, State, Zip Code):			
Is the operator also the owner?		. — —	f yes, list certification class and number below.
Yes No No		Yes No No	
Certification Class:		Certification Number:	
V. EXISTING ENVIRONMENTAL PEI	RMITS		
Current NPDES Number:	Issue Date of Current Perr	nit:	Expiration Date of Current Permit:
KY0105023	M 1 2004		December 31, 2008
Number of Times Permit Reissued:	May 1, 2004  Date of Original Permit Is	suance:	Sludge Disposal Permit Number:
0 Kentucky DOW Operational Permit #:	May 1, 2004  Kentucky DSMRE Permit	Number(s):	
Kentucky DOW Operational Fernite #.	Rendery DSWIRE I CHINE	ivamoci(s).	
C. Which of the following additional environments of the CATEGORY		ation categories will als	o apply to this facility?  PERMIT NEEDED WITH PLANNED APPLICATION DATE
		dwii Willino.	TEANNED ATTEICATION DATE
Air Emission Source	S-06-021		
Solid or Special Waste			
Hazardous Waste - Registration or Permit			
VI. DISCHARGE MONITORING REP	ORTS (DMRs)		
KPDES permit holders are required to su	bmit DMRs to the Div ves to specifically ident		regular schedule (as defined by the KPDES ice or individual you designate as responsible
A. Name of department, office or official so	ubmitting DMRs:	Mick Henderson - Ge	eneral Manager
B. Address where DMR forms are to be ser	nt. (Complete only if ad-	dress is different from 1	mailing address in Section I.)
DMR Mailing Name:	Same as Section I.		
DMR Mailing Street:			, , , , , , , , , , , , , , , , , , ,
DMR Mailing City, State, Zip Code:			
DMR Official Telephone Number:			

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KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount. Descriptions of the base fee amounts are given in the "General Instructions."

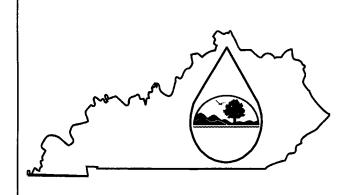
Facility Fee Category:	Filing Fee Enclosed:
Non-Process Industry	\$200

## VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):	TELEPHONE NUMBER (area code and number):
Mick Henderson - General Manager	(270) 475-4415
SIGNATURE	DATE:
Mick Haden	June 30, 2008

## **KPDES FORM C**



### KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

A complete application consists of this form and Form 1. For additional information, contact KPDES Branch, (502) 564-3410.

Name of Facility: Commonwealth Agri-Energy, LLC	County: Christian
I. OUTFALL LOCATION	AGENCY USE

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

Outfall No.		LATITUDE			LONGITUDE			
(list)	Degrees Minutes		Seconds	Degrees	Minutes	Seconds	RECEIVING WATER (name)	
001	36	48	34	87	24	52	storm water retention pond which runs into the on-site quarry lake	
002	36	48	24	87	24	59	drainage ditch which runs into the Rock Bridge of the South Fork of the Little River	
003	36	48	26	87	25	03	drainage ditch which runs into the on-site quarry lake	
004	36	48	29	87	25	05	same as 002	

#### II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfall. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of: (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

OUTFALL NO.	OPERATION(S) CONTRIBUT	ING FLOW	TREATMENT			
(list)	Operation (list)	Avg/Design Flow (include units)	Description	List Codes from Table C-1		
001	cooling water return (once-through, non-contact)	820 gal/min	N/A			
	boiler blowdown	1 gal/min	N/A			
	reverse osmosis blowdown	22 gal/min	N/A			

1

Revised June 1999

002 003		wn		1 gal/min	N/A			
	storm water			3 gal/min	N/A			
	storm water			3 gal/min	N/A			
	storm water			3 gal/min	N/A			
004	storm water			3 gal/min	N/A			
II. FLOWS, S  C. Except for si  OUTFALL NUMBER  (list)	torm water runoff, leaves (Complete the OPERATIONS CONTRIBUTING FLOW (list)  UM PRODUCTION	FREQUIDays Per Week (specify average)	are any of ble.) ENCY Months Per Year (specify average)	Flow (in m	HNOLOGIES  described in Ite  No (Go t  Rate gd)  Maximum Daily	ems II-A or B is o Section III.)  FLOW  Total (specify w	volume vith units) Maximum Daily	Duration (in days)
⊠ □	Yes (Complete Ite: No (Go to Section	IV)	_		y: Part Subpa	414 Organi and Sy art F Commo	c Chemicals	s, Plastic pers ic Chemica
B. Are the lim  C. If you ans	No (Go to Section nitations in the applications in the applications (Complete Item wered "Yes" to Item	IV)  able effluent;  m III-C)  n III-B, list;	guideline o	expressed in term  No (Go to Setty which repres	Subpans of production IV) sents the actua	414 Organi and Sy art F Commo on (or other mea	c Chemicals onthetic File dity Organi asures of operate to of your maxin	es, Plastic pers ic Chemica ion)? (414.6 TSS pH BOD5 mum level of
B. Are the lim  C. If you ans	No (Go to Section nitations in the applications of the Application of	IV)  able effluent;  m III-C)  n III-B, list;	guideline o	expressed in term  No (Go to Setty which repres	Subpans of production IV) sents the actua	414 Organi and Sy art F Commo on (or other mea	c Chemicals onthetic File dity Organi asures of operate to of your maxin	es, Plastic pers ic Chemica ion)? (414.6 TSS pH BOD5 mum level of
B. Are the lim  C. If you ansproduction	No (Go to Section nitations in the applications of the Application	IV) able effluent g m III-C) n III-B, list g ms and units g	guideline of the quantiused in the	No (Go to Set which represe applicable efflu	Subpans of production (IV) sents the actual and guideline,	and Sy art F Common (or other mean and indicate the	nthetic Fildity Organiasures of operations of your maxime affected outfal	es, Plastic pers ic Chemica icon)? (414.6 TSS pH BOD5 mum level of ls.
B. Are the lim  C. If you ans	No (Go to Section nitations in the applications of the Application	IV) able effluent g m III-C) n III-B, list g ms and units g	guideline of the quantiused in the	No (Go to Set y which represe applicable effluents)	Subpans of production (IV) sents the actual and guideline,	and Sy art F Common (or other mean and indicate the	c Chemicals Inthetic File Idity Organia Interpretation Interpretat	es, Plastic pers ic Chemica icon)? (414.6 TSS pH BOD5 mum level of ls.
B. Are the lim  C. If you ans production,  Quantity Per I	No (Go to Section nitations in the applications in the applications)  Yes (Complete Item wered "Yes" to Item, expressed in the term  Day Units of Item Weren Item Item Item Item Item Item Item Item	IV) able effluent g m III-C) n III-B, list g ms and units g MAXIMUM Measure	guideline of the quantitused in the QUANT	No (Go to Sety which represe applicable effluitty  ITY  peration, Products  (specifical application)	Subpans of production (IV) sents the actual tent guideline, suct, Material, scify)	414 Organi and Sy art F Commo on (or other mea	c Chemicals anthetic Fil dity Organi asures of operati of your maxine affected outfal  Affected O (list outfall n	s, Plastic pers ic Chemica icon)? (414.6 TSS pH BOD5 mum level of ls.
B. Are the lim  C. If you ansproduction,  Quantity Per I  IV. IMPROV  A. Are you n upgrading, discharges	No (Go to Section nitations in the applications in the applications)  Yes (Complete Item wered "Yes" to Item, expressed in the term  Day Units of Item	able effluent of mill-C) in III-B, list of ms and units of maximum Maximum Measure  refederal, state stewater equiplication? The schedule letter mills able to the mills of th	the quantiused in the QUANT O	No (Go to Set y which represe applicable effluence of the control	Subpans of production in sof production in section IV) sents the actual sent guideline, section in	and Sy art F Common (or other meand indicate the lementation so ton mental proget conditions, ar loan conditions)	c Chemicals anthetic File dity Organisms of operations of your maximals affected outfall Affected O (list outfall numbers of the grams which make distriction of the grams which make different outfall numbers of the grams which make the gram	pers ic Chemica ic Chemica TSS pH BOD5 num level of ls.  putfalls umbers)

1 1 1			

**B.** OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

3

Revised June 1999

A, B,	space prov		•		Annotate the outfall number in the .
W	which you know or have	list any of the pollutants (references reason to believe is discharons you believe it to be presented.)	rged or may be disch	narged from any outfall. I	
	POLLUTANT	SOURCE	d ty v s	POLLUTANT	SOURCE
N/A					
VI.	POTENTIAL DISCH	ARGES NOT COVERED	BY ANALYSIS		
A. Is	s any pollutant listed in produce over the next 5	Item V-C a substance or a c years as an immediate or fin	component of a subs	duct?	
	Yes (List a	all such pollutants below)		No (Go to Item VI-I	3)
		h that your raw materials, pr nay during the next 5 years o			
	Yes (Com	plete Item VI-C)	No (Go to Ite	m VII)	
e		pollutants which you anticip			lity at this time the sources and r the next 5 years. Continue on

4

V. INTAKE AND EFFLUENT CHARACTERISTICS

Revised June 1999

VII. BIOLO	GICAL TOXICI	ITY TESTING DATA			
		or reason to believe that any biolo er in relation to your discharge wi			cicity has been made on any of your
	Yes (Identify t	he test(s) and describe their purpo	oses below)	$\boxtimes$	No (Go to Section VIII)
		<u> </u>			
VIII. CONT	RACT ANALYS	SIS INFORMATION	egin e ag		
Were any of the	e analyses reporte	ed in Item V performed by a contr	act laboratory	y or consulting firm	?
	Yes (list the na	nme, address, and telephone numb	per of, and po	ollutants	No (Go to Section IX)
	analyzed	by each such laboratory or firm b	pelow)		
NA 2	ME	ADDRESS		ELEPHONE code & number)	POLLUTANTS ANALYZED (list)
<u> </u>			<u> </u>		
IX. CERTIFIC	CATION				
L certify under	nenalty of law th	at this document and all attachm	ents were nre	enared under my di	rection or supervision in accordance
with a system of	designed to assure	that qualified personnel properly	gather and e	valuate the informa	tion submitted. Based on my inquiry
					ring the information, the information nat there are significant penalties for
submitting false	e information, inc	luding the possibility of fine and	imprisonmen	nt for knowing viola	tions.
NAME AND C	OFFICIAL TITLE	(type or print):	T	TELEPHONE NUM	IBER (area code and number):
Mick Henderso	on - General Mana	iger		270) 475-4415	
SIGNATURE	Herde			DATE	
Mick	Herse	m	J <sub>1</sub>	une 30, 2008	

these pages. (See instructions) PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing

i. pH	h. Temperature (summer)	g. Temperature (winter)	f. Flow (in units of MGD)	e. Ammonia (as N)	d. Total Suspended Solids (TSS)	c. Total Organic Carbon (TOC)	<ul><li>b. Chemical</li><li>Oxygen Demand</li><li>(COD)</li></ul>	<ul><li>a. Biochemical</li><li>Oxygen Demand</li><li>(BOD)</li></ul>		I. POLLUTANT		Part A – You r	V. INTAKE A
MINIMUM	VALUE	VALUE	VALUE ts				nd	nd I	(1) Concentration			Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)
MAXIMUM 7.69	<90 F	< 90 F	1.18	47.	13				on (2) Mass	a. Maximum Daily Value		ults of at least one	CHARACTERIST
MINIMUM	VALUE	VALUE	VALUE						(1) Concentration	b. Maximum 30-Day Value (if available)	-	analysis for every p	ICS (Continued fr
MAXIMUM									(2) Mass	10-Day Value lable)	2. EFFLUENT	ollutant in this tabl	om page 3 of For
	VALUE	VALUE	VALUE						(1) Concentration	c. Long-Term Avg. Value (if available)		e. Complete one tal	m C)
									(2) Mass	Avg. Value able)		ble for each outfal	
			1*		I-*				Analyses	No. of		l. See instructions	
STAN					mg/L					a. Concentration	(specify if blank)	for additional detai	
STANDARD UNITS	ိင	ိင	MGD							Mass.	E.	ls.	
	VALUE	VALOR	VALUE						(1) Concentration	Long-Term Avg. Value			OUTFALL NO.
									(2) Mass	lvg. Value	(optional)		001
			-						Analyses				

<sup>\*</sup> DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and

j. Nitrogen, Total Organic (as N) k. Oil and
Grease
I. Phosphorous
(as P), Total
7723-14-0 g. Fluoride (16984-48-8) h. Hardness (as CaCO<sub>3</sub>) (2) Beta, Total (3) Radium Total (1) Alpha, Total m. Radioactivity e. Color c. Chloride d. Chlorine, a. Bromide (24959-67-9) (4) Radium, 226, Total b. BromineTotal POLLUTANT AND CAS NO. f. Fecal Coliform requirements. (if available) Nitrate – Nitrite (as N) Total Residual Residual Believed Present 20 MARK "X" Believed Absent , Concentration a. Maximum Daily Value 91.8 2.2 (2) Mass Concentration b. Maximum 30-Day
Value (if available) (2) Mass Concentration c. Long-Term Avg.
Value (if available)

(1)
Concentration (2)
(2) Analyses No. of ٩ \* \* Concentration UNITS Mass 5 Concentration a. Long-Term Avg Value 3 INTAKE (optional) (2) Mass Analyses No. of

Total	aa. Titanium,	z. Tin, Total (7440-31-5)	(7439-96-6)	y. Manganese,	Total (7439-98-7)	x. Molybdenum	(7439-96-4)	w. Magnesium	v. Iron, Total (7439-89-6)	u. Cobalt, Total (7440-48-4)	t. Boron, Total (7440-42-8)	s. Barium, Total (7440-39-3)	r. Aluminum, Total (7429-90)	q. Surfactants	p. Sulfite (as SO <sub>4</sub> ) (14286-46-3)	o. Sulfide (as S)	n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	(if available)	And CAS NO.	POLLUTANT	Part B - Continued
			×														×	Believed Present	<b>)</b>	2. MARK "X"	
×		Х			×	-	x		Х	×	×	×	x	x	x	x		Believed Absent	8	K "X"	
			4.77															(1) Concentration	a. Maximum Daily Value		
																		(2) Mass	ly Value		
																		(1) Concentration	b. Maximum 30-Day Value (if available)	EF	
																		(2) Mass	30-Day ilable)	EFFLUENT	
																		(1) Concentration	c. Long-Term Avg. Value (if available)		
																		(2) Mass	n Avg. ilable)		
			*															Analyses	d. No. of		
			mg/L															Concentration	•	UNITS	
																		Mass	7		
																		(1) (2) Concentration Mass	Long-Term Avg	INTAK	
																		(2) Mass	Value	INTAKE (optional)	
																		Analyses	No. of		

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the Testing Required column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Mark "X: in the Believed Absent column for each pollutant you believe to be absent. If you mark either the Testing Required or Believed Present columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

DOLLIFIANT   MARK-NY   DOLLIFIANT   MARK NY   DOLLIFIANT   MARK NAME   MARK	One rapie (all seve	n pages) for ea	ch outlant. S	e instruction	one table (all seven pages) for each outfall. See instructions for additional details and requirements.	ails and req	uirements.							
O   Tening   Believed   Believed   Maximum Dulty Value   Value (Fravallab)   Value (			2. AARK "X"				EFF	3. LUENT				UNITS.	INTAKE	; (optional)
	POLLUTANT And CAS NO.	î a. Perimo		Relieved	Maximum Dally	<u> </u>	b. Maximum 3 Value (if avail	E D	c. Long-Term / Value (if availa	Avg.	ў <sub>р.</sub> 2,		Long-Term Avg	
Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration	(if available)	Required	Present	Absent	<b>(1)</b>	-1	<b>(3)</b>	(2)	<b>(</b> )	(2)	Analyses		$\dashv$	
NY  (-0.01) x (-0.01)   1*  (-0.01) x (-0.01)   1*  (-1.01) x (-0.001)   1*  (-1.02) x (-0.002)   1*  (-1.03) x (-0.002)   1*  (-1.04) x (-0.002)   1*  (-1.05) x (-0.002)   1*  (-1.06) x (-0.002)   1*  (-1.07) x (-0.003)   1*  (-1.08) x (-0.003)   1*  (-1.09) x (-0.003)   1*  (-1.09) x (-0.003)   1*  (-1.09) x (-0.003)   1*	METALS CVAN	TO AND TO	TAI BUE	OI e	Concentration	$\vdash$	Concentration	Mass	Concentration	Mass			H	Mass
6-0) x	1M. Antimony													
9	Total (7440-36-0)	×			< 0.01						*	mg/L		
1	2M. Arsenic,													
um     < 0.001	(7440-38-2)	×			< 0.01			÷			*	mg/L		
1-7	3M. Beryllium													
mm	1 otal (7440-41-7)	×			< 0.001						*	mg/L		
1	4M. Cadmium Total													
um 49) x < 0.005	(7440-43-9)	×			< 0.002						*	mg/L		
1.4. 1.9. 1.9. 1.9. 1.9. 1.9. 1.9. 1.9.	5M. Chromium													
1.8   x	7440-43-9)	Х			< 0.005						*	mg/L		
1-8) x 0.006   1*	6M. Copper Total													
2-1) x < 0.006	(7550-50-8)	×			0.006						*	mg/L		
2-1)   x	7M. Lead Total													
7-6) x < 0.0002	(7439-92-1)	х			< 0.006						1*	mg/L		
7-6) x < <0.0002	8M. Mercury													
2-0) x < 0.005	(7439-97-6)	x			< 0.0002						*	mg/L		
x < 0.005	9M. Nickel,													
x <0.001 x <0.005	(7440-02-0)	×			< 0.005						1*	mg/L		
-2) x <0.01   1*	10M. Selenium,													
-0) x < 0.005	Total (7782-49-2)	×			< 0.01						*	mg/L		
28-0) x < 0.005 1*	11M. Silver,													
	(7440-28-0)	×			< 0.005						1*	mg/L		

Part C - Continued		2.					3.				4.			<b>5.</b>	
POLLUTANT And CAS NO.	a.	B P	P D.			b. Maximum 30-Day	um 30-Day		c. Long-Term Avg.	T d		, e	Long-Term Avg Value	a. erm Avg Value	9 35 in 1998 1 3 1
(if available)	Required	Present	Absent	(1) Concentration	(2) Mass	(1) Concentration	on (2)	(l) Concentration	(2) ion Mass	Analyses			(1) Concentration	Mass	Analyses
METALS, CYANIDE AND TOTAL PHENOLS (Continued)	NIDE AND TO	OTAL PHE	NOLS (Con	tinued)	<b>↓                                     </b>										
12M. Thallium, Total (7440-28-0)	×			< 0.02						 *	mg/L				
13M. Zinc, Total (7440-66-6)	×			0.011						*	me/L				I
14M. Cyanide, Total (57-12-5)			×								C				
15M. Phenols, Total			×												
DIOXIN															
2,3,7,8 Tetra- chlorodibenzo,															
P, Dioxin (1784-01-6)				DESCRIBE RESULTS:	SULTS:										
GC/MS FRACTION - VOLATILE COMPOUNDS	ION - VOLA	TILE COM	х	DESCRIBE RI	SULTS:										
IV. Acrolein			× POUNDS	DESCRIBE RE	SULTS:										
2V.			× POUNDS	DESCRIBE RE	SULTS:										
Acrylonitrile (107-13-1)			× POUNDS	DESCRIBE RI	SULTS:										
3V. Benzene (71-43-2)			× × × × × ×	DESCRIBE RE	SULTS:										
5V. Bromoform (75-25-2)			× × × POUNDS	DESCRIBE RI	SULTS:										
6V. Carbon Tetrachloride			× × × × POUNDS	DESCRIBE RI	SULTS:										
(56-23-5)			POUNDS ×	DESCRIBE RE	SULTS:										
7V. Chloro-			POUNDS  x  x	DESCRIBE RI	SULTS:										
			× × × × POUNDS	DESCRIBE RI	SULTS:										
benzene (108-90-7)			POUNDS ×	DESCRIBE RE	SULTS:										
benzene (108-90-7) 8V. Chlorodibro-			× × × × × POUNDS	DESCRIBE RI	SULTS:										

20V. Methyl	benzene (100-41-4)	19V. Ethyl-	(452-75-6)	Dichloropro-	18V. 1,3-	(78-87-5)	chloropropane	(/3-35-4)	Dichlorethylene	16V. 1,1-	(107-06-2)	Dichloroethane	(75-34-3)	Dichloroethane	14V. 1,1-	(75-71-8)	bromomethane	13V Diablam	Chloroform (67-66-3)	11V.	(110-75-8)	10V. 2-Chloro-	(74-00-3)	9V. Chloroethane		(if available)		And CAS NO.	1	Part C - Continued
																										Required	Testing		7	ed
																										Present	Believed	•	IARK "X"	2
	× 		×	!		x		×			x		×			×		*	•		×		×			Absent	Believed	7		
																									ation	(1) (2)	Maximum Daily Value			
																									tion	3	Value (if available		EFFLUI	
			· · · · · ·											· · · · · ·															TNI	
			-																								S			
-								ļ																		7.7				
-			*****																					· · · · · ·					UNITS	*
																										1	 	I And Term Ave I	INTAKE	
																									Mass				(optional)	
		tenzene		hyl- s ethyl		3- opro- hyl- ethyl ethyl		1.4-D.1 ropane 5) 3. opro- hyl- sthyl						T	T											Concentration Mass Concentration	Required   Presunt   Absent   Concentration   Mass   Concentration   Concentration   Mass   Concentration   Concentration   Mass   Concentration   Concentration   Mass   Concentration   Con	Testing   Believed   Believed   Maximum Dally Value   Value (If available)   Value (If av	Testing Believed Believed Did (I)	Toding   Believed   Believed   Believed   Required   Present   Abbett   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Concentration   Mass   Concentration   Con

(79-00-5) x  29V. Trichloro- ethylene (79-01-6) x	chiorognane	28V. 1,1,2-Tri-	(71-55-6) x	27V. 1,1,1-Tri-	ethylene x (156-60-5)	26V. 1,2-Trans- Dichloro-	(108-88-3) x	26V Tolumb	ethylene x (127-18-4)	Tetrachloro-	79-34-5)	ethane x	23V. 1,1,2,2-	(75-00-2) x	22V. Methylene	(74-87-3) x	21V. Methyl	Present Absent	a. a. b. Testing Believed Believed	MARK "X"	Part C - Continued
_																	<del></del>	(1) (2) Concentration Mass	a. Maximum Daily Value		
																		(1) (2) Concentration Mass	b. Maximum 30-Day Value (if available)	EFFLUENT	
																		(1) Concentration	c. Long-Term Value (if avail		
																	·	(2) Analyses Mass	Avg. d. able) No. of		
																			a. Concentration	UNITS	
																		Concentration	b. Long-Term Avg. Value	INTA	
																		Mass	vg. Value No. of Analyses	NTAKE (optional)	

		2. MADE "Y"				3.	3. 3.				. <del>.</del>		INT AKE	5.  Starting of the start of th	
POLLUTANT And CAS NO.		Þ	5			b. Maximum 30-Day	Day	c. Long-Term Avg.	Avg.	e	<b>a</b> ,	Ġ.	a. Long-Term Avg Value	Value	
(if available)	Required	Present	Absent	(1) (2) Concentration Mass		(1) (2) Concentration Ma	Mass	(1) Concentration	(2) Mass	Analyses		į	(1) Concentration	Mass	
GC/MS FRACTION - ACID COMPOUNDS	ON – ACID C	OMPOUN	DS		l										
1A. 2-Chloro- phenol (95-57-8)			×												
2A. 2,4-															1
Orophenol (120-83-2)			×												
3A.															
ylphenol (105-67-9)			×												
4A. 4,6-Dinitro-															
(534-52-1)			х												
5A. 2,4-Dinitro- phenol															
(51-28-5)			×												
6A. 2-Nitro- phenol															
(88-75-5)			x		_										
7A. 4-Nitro- phenol												· · · · · · · · · · · · · · · · · · ·			
(100-02-7)			×									ļ			
8A. P-chloro-m- cresol															
(59-50-7)			×												
9A. Pentachloro-															
phenol (87-88-5)			×												
10A. Phenol															
(108-05-2)			×									L			
11A. 2,4,6-Tri- chlorophenol															
(88-06-2) A SENETTE AT COMPONING	ON BASE	NEITT AI	X	De	_										
IB. Acena-				į											
(83-32-9)			!												

Part C - Continued	S NO.	(If available)	GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	2B. Acena-	(208-96-8)	3B. Anthra-	cene (120-12-7)	4B.	Benzidine	(92-87-5)	5B. Benzo(a)-	anthracene (56-55-3)	6B. Benzo(a)-	pyrene (50-32-8)	7B. 3,4-Benzo-	fluoranthene	8B. Benzo(ghl)	perylene (191-24-2)	9B. Benzo(k)-	fluoranthene	10B. Bis(2-	chlor-	methane	(111-91-1)	11B. Bis	(2-chlor- oisopronyl)-	Ether	12B. Bis	12B. Bis (2-ethyl-	12B. Bis (2-ethyl- hexyl)-
	a. Testing Bo		N - BASE/NEU																											
2.			TRAL COM		×		×	-		×		×		×		<u> </u>		<del></del>	$\frac{1}{1}$	<u> </u>		•	*			×	-	4	•	;
	b. Believed Ma	2	POUNDS (C						<b></b>										-					<u> </u>				 		
	a. Maximum Daily Value	(1) Concentration				• 0																								
		Ω	1																_											
	b. Maximum 30-Day Value (if available)	(1) Concentration	1 1																											
3.		ss )	1				·		-																<del></del>					
	c. Long-Term Avg. Value (if available)	(1) Concentration																												
		<b>%</b> ~																												
	N <sub>c</sub>	-																												
4.	a. Concentration																													
	b. Mass	a var																												
MATAN	a. Long-Term Avg Value	(1) Concentration																												
5.		(2) Mass																												_
	b. No. of Analyses																													

Part C - Continued	led	2				3.									
POLLUTANT And CAS NO.		Per	Relieve	<b>a.</b> Maximum Daily Value	Value	b. Maximum 30-Day Value (if available)		c. Long-Term / Value (if availa	lvg.	No. of	a. Concentration	b. Mass	Long-Term Avg Value	alue	
(if available)	Required	Present	Absent	(1) Concentration	(2) Mass	(1) Concentration	× )	(1) (2) Concentration Mass	Mass	Analyses			(1) Concentration	(2) Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON - BASE/	NEUTRAL	COMPOUN	DS (Continued)		-	┨╏						┨		
13B. 4-Bromo- phenyl															
Phenyl ether (101-55-3)			×				· · ·								
14B. Butyl-															
benzyl															
phthalate (85-68-7)			×												
15B. 2-Chloro-															
naphthalene (7005-72-3)			×												
16B. 4-Chloro-															
phenyl			•												
(7005-72-3)			*												
17B. Chrysene															
(218-01-9)			x				_							$\downarrow$	
(a,h)															
Anthracene (53-70-3)			×												
19B. 1,2-															
Dichloro-															
benzene (95-50-1)			×												
20B. 1,3-											:				
Dichloro-			<										_		
(541-73-1)			×												
21B. 1,4-															
benzene			×												
(106-46-7)							-								
22B. 3,3- Dichloro-															
benzidene (91-94-1)			×												
23B. Diethyl															
Phthalate			<	,											
(2.00.10)			^				-								

DOLLITYCKY   Abd CAS-NO   Tollity   Bellioned   Bell	Part C - Continued	ed													
Testing Releved Releved Maximum Dally Value (Name of Concentration Max Required Press Absent (D) (Q) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D	<b>.</b>		2. MARK "X"				S. Efflueni				4. UNITS		5. INTAKE (op	rtional)	
	POLLUTANT And CAS NO.	project and a		•	•		b. Maximum 30-Day		Avg.		2		a. ong-Term Avg. Val		`E, ^
TION-BANE/ARIAL COMPOUNDS (Centinued)  X  X  X  X  X  X  X  X  X  X  X  X  X	(if available)	Required	Present	Absent					Mass	Analyses					
24B. Dimethyl	GC/MS FRACTI	ON – BASE/I	NEUTRAL (	COMPOUN	1 1	1 1	4 1	1 1				-	┨╏		
	24B. Dimethyl Phthalate														
	(131-11-3)			×											
	25B. Di-N-														
	(84-74-2)			×											
	26B. 2,4-Dinitro-														· · · · · · · · · · · · · · · · · · ·
	toluene (121-14-2)			×						.,					
	27B.														
	toluene (606-20-2)			×											
	28B. Di-n-octyl														
	Phthalate (117-84-0)			×											
	29B. 1,2-														
	hydrazine (as			×		- 10									
	azonbenzene)					<del></del>									
	30B.														
	Fluoranthene											<u> </u>			
	(208-44-0)			×								-			
	31B. Fluorene (86-73-7)			×								<u> </u>			
ne ne ne ne ne hloro- ene 8-3) hloro- benta- 24)	32B. Hexachloro-														
hloro- ene 8-3) hloro- benta- 7-4)	benzene (118-71-1)			×											
ene 8-3) hloro- enta-	33B.														
hloro- enta-	butadiene (87-68-3)			×											
nloro- venta- 74)	34B.														
diene (77-47-4)	cyclopenta-			×											
	diene (77-47-4)	-													

		•					٠				4.			'n
POLLUTANT And CAS NO.		MARK "X"	F			b. Maximum 30-Day	um 30-Day	c. Long-Term Avg.	Avg.	۹	P. UNITA	<b>.</b>	IN I AKE (optional) a. Long-Term Avg Value	gra IĽ
(if available)   Ro	Required	Believed Present	Absent	∤₹		€	(2)	(1) (1 available)	(2)	Analyses	Concentration	NASETA	<b>(</b> )	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	- BASE/N	VEUTRAL	COMPOUN	F	IVIASS C	Concentration	CCRIAI	Concentration	CCRIAT				Concentiation	<u> </u>
35B. Hexachlo-												,		-
(67-72-1)			×											
36B. Indneo-					_									$\rightarrow$
(1,2,3-oc)-														_
Pyrene (193-39-5)			*											
37B.														
(78-59-1)			× 											
38В.														
Napthalene														
30B			×		1									
Nitro-														
benzene			×											
40B. N-Nitroso-					_									
dimethyl-														
amine (62-75-9)			*											
41B.					-									- 1
N-nitrosodi-n-														
propylamine (621-64-7)			×											
42B. N-nitro-						-								- 1
sodiphenyl-			!											
amune (86-30-6)			*											
43B. Phenan-														
threne (85-01-8)			×								:			
AD Durana			Ē											
44B. Pyrene (129-00-0)			×											
45B. 1,2,4 Tri-														
benzene			*											

14P. Endrin (72-20-8)	13P. Endosulfan Sulfate (1031-07-8)	12P. β- Endosulfan (115-29-7)	11P. α- Endosulfan (115-29-7)	10P. Dieldrin (60-57-1)	9P. 4,4'-DDD (72-54-8)	8P. 4,4'-DDE (72-55-9)	7P. 4,4'-DDT (50-29-3)	6P. Chlordane (57-74-9)	5P. &-BHC (319-86-8)	4P. gamma-BHC (58-89-9)	3P. β-BHC (58-89-9)	2P. α-BHC (319-84-6)	1P. Aldrin (309-00-2)	GC/MS FRACTION - PESTICIDES	(if available)	And CAS NO.	
														ION - PESTIC	Required	]  -	
														IDES	Present	Political	2. MARK "X"
X	×	×	×	x	×	×	×	×	×	×	×	x	×		Absent	7 10 10 10 10 10 10 10 10 10 10 10 10 10	
														┨╏	(1) (2) Concentration Mass	Maximum 2.	
														-			
														-l l	(1) Concentration \( \)	b. Maximum 30-Day	3. ERFLUENT
														┥╽	» О		ENT
														-	(1) Concentration	c. Long-Term Avg. Value (if available)	
														_	s )	lvg.	
														_	Analyses	م 2 2	
																Concentration	UNITS
														-		M p	
														┨ ┠	(1) Concentration	a. Long-Term Avg. Value	INTAKE (
															(2) Mass		5. INTAKE (optional)
																No. of	

25P. Toxaphene (8001-35-2)	24P. PCB-1016 (12674-11-2)	23P. PCB-1260 (11096-82-5)	22P. PCB-1248 (12672-29-6)	21P. PCB-1232 (11141-16-5)	20P. PCB-1221 (11104-28-2)	19P. PCB-1254 (11097-69-1)	18P. PCB-1242 (53469-21-9)	Epoxide (1024-57-3)	16P Heptachlor (76-44-8)	GC/MS FRACTION - FESTICIDES 15P. Endrin Aldehyde (7421-93-4)	POLLUTANT And CAS NO. (if available)	
										ON - FEST	a. Testing Required	
										CIDES	a. Believed Present	2. MARK "X"
×	×	×	×	×	×	×	×	×	×	×	b. Believed Absent	
											Maximum Daily Value (1) (2) Concentration Mass	
											b. Maximum 30-Day Value (if available) (1) (2) Concentration Mass	
											30-Day llable) (2) Mass	3. EFFLUENT
											c. Long-Term Avg. Value (if available) (1) (2) Concentration Mass	
											d. No. of Analyses	
											a. Concentration	UNITS
											Ş,	
											Long-Term Avg Value (I) (2) Concentration Mass	INTAKI
											Value (2)	5. INTAKE (optional)
											b. No. of Analyses	

these pages. (See instructions) PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing

												i. pH
			STANDARD UNITS	STAN	perat.		-	MAXIMUM	WUMINIM	MAXIMUM 7.53	MINIMUM	
		VALUE	ိင				VALUE		VALUE	<90 F	VALUE	h. Temperature (summer)
		VALUE	°c				VALUE		VALUE	< 90 F	VALUE	g. Temperature (winter)
		VALUE	MGD				VALUE		VALUE	0.073	VALUE	f. Flow (in units of MGD)
												e. Ammonia (as N)
				mg/L	*						13	d. Total Suspended Solids (TSS)
												c. Total Organic Carbon (TOC)
												b. Chemical Oxygen Demand (COD)
												a. Biochemical Oxygen Demand (BOD)
No of Analyses	on Mass	(1) Concentration			Analyses	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	
F	a. Long-Term Avg. Value	Long-Ter	b. Mass	a. Concentration	d. No. of	Avg. Value ible)	c. Long-Term Avg. Value (if available)	<ul><li>b. Maximum 30-Day Value (if available)</li></ul>	b. Maximum (if ava	Daily Value	a. Maximum Daily Value	l. POLLUTANT
	4. INTAKE (optional)		ITS blank)	3. UNITS (specify if blank)				2. EFFLUENT				
			ls.	for additional detai	Il. See instructions	le for each outfa	Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	xollutant in this tab	malysis for every p	s of at least one a	provide the results	Part A - You must
	<b>o.</b> 002	OUTFALL NO.					rm C)	rom page 3 of Fo	ICS (Continued f	ARACTERIST	EFFLUENT CH	V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)

<sup>\*</sup> DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and

(1) Alpha,
Total
(2) Beta,
Total
(3) Radium
Total (4) Radium, 226, Total m. Radioactivity 1. Phosphorous (as P), Total 7723-14-0 Total
Organic
(as N)
k. Oil and g. Fluoride (16984-48-8) e. Color f. Fecal Coliform d. Chlorine, Total Residual a. Bromide (24959-67-9) b. Bromine c. Chloride requirements. AND CAS NO. POLLUTANT Nitrate – Nitrite (as N) (if available) Nitrogen, Total Residual Grease Hardness (as CaCO<sub>3</sub>) Believed Present MARK "X" Believed Absent **.** Concentration a. Maximum Daily Value  $\Xi$ < 1.7 108 (2) Mass EFFLUENT
b. Maximum 30-Day
Value (if available) Concentration (2) Mass Concentration c. Long-Term Avg.
Value (if available)

(1)
Concentration | (2)
Mass d. No. of Analyses <del>-</del> <del>-</del> Concentration CILIN mg/L mg/L Mass ₹ a. Long-Term Avg

Value

(1) Concentration Mass b. No. of Analyses

POLITIANT   MARK XY	Part B - Continued	P.													
Believed   Delieved   Delieved	POLLUTANT		K "X"				ELUENT				4. UNITS		INTAK	5. E (options	<b>)</b>
Palieved   Dalieved   Dalieved	And CAS NO.	<b>3</b>	7	a. Maximum Dajj	v Value	b. Maximum 3 Value (if avai	(0-Day lable)	c. Long-Tern Value (if avai	ı Avg. lable)	d. No. of	<b>2.</b>	Þ.	a. Long-Term Avg.	Value	No. of
x x x x x x x x x x x x x x x x x x x	(if available)	Believed Present	Believed Absent	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses	Concentration	Mass	(1) Concentration	(2) Mass	Analyses
x x x x x x x x x x x x x x x x x x x	n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	×													
x x x x x x x x x x x x x x x x x x x	o. Sulfide (as S)		×												
x x x x x x x x x x x x x x x x x x x			×										1		
			×												
II			×												
	s. Barium, Total (7440-39-3)		x												
1			×												
x 4.78 11*  x x 4.78 1 1*			×												
1	_ 1		×												
	w. Magnesium Total (7439-96-4)	×		4.78						1*	mg/L				
	x. Molybdenum Total (7439-98-7)		×												
Tin, Total (7440-31-5) . Titanium, Total	y. Manganese, Total (7439-96-6)		×												
	1		×												
	aa. Titanium, Total		×												

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the Testing Required column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Mark "X: in the Believed Absent column for each pollutant you believe to be absent. If you mark either the Testing Required or Believed Present columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

	i bugw) ioi w	2	CA TION OF THE	2	and and		<b>.</b>				4		5	
		MARK "X"					EFFLUENT				UNITS		INTAKE (optional)	
POLLUTANT And CAS NO.	þ	ř	<b>P</b>	•		b. Maximum 30-Day	-Day	c. Long-Term	Avg.	۴	•	두	a.  Long-Term Avg Value	No. of
	Testing	Believed	Believed	Maximum Daily Value	Value	Value (if available)	tble)	Value (if available)	able)	No. of	Concentration	Mass		Analyses
(if available)	Required	Present	Absent	(1) Concentration	Mass	(1) Concentration	Mass	(1) Concentration	Mass	Analyses			(1) (2) Concentration Mass	
METALS, CYANIDE AND TOTAL PHENOLS	VIDE AND T	OTAL PHE	NOLS										ļ	
1M. Antimony														
1 otal (7440-36-0)	×			< 0.01						*	mg/L			
2M. Arsenic,														
(7440-38-2)	Х			< 0.01						*	mg/L			
3M. Beryllium														
(7440-41-7)	×			< 0.001						<del>-</del>	mg/L			
4M. Cadmium														
(7440-43-9)	×			< 0.002						1*	mg/L			
5M. Chromium														
(7440-43-9)	Х			< 0.005						1*	mg/L			
6M. Copper Total						···								
(7550-50-8)	×			< 0.005						*	mg/L			
7M. Lead														
(7439-92-1)	×			< 0.006						1*	mg/L			
8M. Mercury														
(7439-97-6)	×			< 0.0002						1*	mg/L			
9M. Nickel,														
(7440-02-0)	x			< 0.005						1*	mg/L			
10M. Selenium,														
Total (7782-49-2)	×			< 0.01						1*	mg/L			
11M. Silver,														
Total (7440-28-0)	*			< 0.005						*	mo/I			
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	[			0.000						,				

Part C - Continued 2.  1 MARK "X"	«X»		Seel libra			4.		5. INTAKE (ontional)
IANI S NO. a.	Redicaved	Mayimum Baily Value	b. Maximum 30-Day	c. Long-Term Avg. Value (if available)	Z e e	one a.	М <b>Б</b> .	Long-Term Avg Value
	-	(1) (2) Concentration Mass	(1) (2) Concentration Mass	(1) (2) Concentration Mass				(1) Concentration
METALS, CYANIDE AND TOTAL PHENOLS (Continued)	HENOLS (Con			ł				
12M. Thallium, Total								
(7440-28-0) x		< 0.02			1*	mg/L		
13M. Zinc,								
(7440-66-6) x		< 0.01			*	mg/L		
14M. Cyanide,								
(57-12-5)	Х							
15M. Phenois,								
Total	×							
DIOXIN								
2,3,7,8 Tetra-		DESCRIBE RESULTS:						
P, Dioxin (1784-01-6)	×							
GC/MS FRACTION - VOLATILE COMPOUNDS	OMPOUNDS	-						
IV. Acrolein					···			
(107-02-8)	×							
Acrylonitrile								
(107-13-1)	×							
3V. Benzene (71-43-2)	×							
5V. Bromoform (75-25-2)	x							
6V. Carbon Tetrachloride	×							
6V. Carbon Tetrachloride (56-23-5)								
6V. Carbon Tetrachloride (56-23-5) 7V. Chloro-								
6V. Carbon Tetrachloride (56-23-5) 7V. Chloro- benzene (108-90-7)	×							
6V. Carbon Tetrachloride (56-23-5) 7V. Chloro- benzene (108-90-7) 8V. Chlorodibro-	×		-					

Concentration   Mass   Concentration   Concentr	Part C - Continued  1. POLLUTANT And CAS NO. (if available)	a. Testing Required	2. MARK "X"  Believed Present	b. Belleved Absent		EFFL b. Maximum 30 Value (if availa (1)	T c. Long-Term. Value (if avails (i)	vg d. ie) No. of Analyses	UNITS  a: Concentration	Mas.	
	9V. Chloroethane (74-00-3)			X	L			$\vdash$	$\vdash$		
	10V. 2-Chloro- ethylvinyl Ether (110-75-8)			×							
	11V. Chloroform (67-66-3)			×	:						
	12V. Dichloro- bromomethane (75-71-8)			x							
	14V. 1,1- Dichloroethane (75-34-3)			×							
	Dichloroethane (107-06-2)			X							
	16V. 1,1- Dichlorethylene (75-35-4)	:		×							
	17V. 1,2-Di- chloropropane (78-87-5)			×							
yl- (†) (hyl	18V. 1,3- Dichloropro- pylene (452-75-6)			×							
hyl	19V. Ethylbenzene (100-41-4)		,	×							
	20V. Methyl Bromide (74-83-9)			×							

		2. MARK "X"			EFFLÜENT				4. UNITS		5. INTAKE (	5. INTAKE (optional)	
POLLUTANT And CAS NO.	Testing.	Believed	b. Believed	<b>a.</b> Maximum Dally Value	b. Maximum 30-Day Value (if available)	Yes Car	c. Long-Term Avg. Value (if available)	g. d. e) No. of		b. Mass	a. Long-Term Avg. Value		b. No. of Analyses
(if available)	Required	Present	Absent	(1) (2) Concentration Mass	(1) Concentration	ი ი	(1) Concentration	s \		W 197	(1) Concentration	(2) Mass	
21V. Methyl				-+	_	$\dashv$	$\dashv$				-1		
Chloride (74-87-3)			×					•••					
22V. Methylene													
(75-00-2)			×			-		***					
23V. 1,1,2,2-													
Tetrachloro-	•												
ethane (79-34-5)			×										
24V.													
1 CHacilloto-													
etnylene (127-18-4)			×										
25V. Toluene (108-88-3)			×										
26V. 1,2-Trans-													
Dicinoro-			•										
(156-60-5)			>										
27V. 1,1,1-Tn-													
chloroethane			×										
28V. 1,1,2-Tri-										_			
chloroethane													
(79-00-5)			×										
29V. Trichloro-								-					
ethylene (79-01-6)			×					-					
30V. Vinyl													
Chloride													
(/5-01-4)			×		_	_	_	_	_	_		_	

•		MARK "X"				EFFLUENT	ENT		-		UNITS		INTAKE (	INTAKE (optional)	94 - SV
POLLUTANT And CAS NO.	a. Testing	a. Belleved	b. Believed	A. Maximum Dally Value	Value	b. Maximum 30-Day Value (if available)	Ē₽ ————————————————————————————————————	c. Long-Term Avg. Value (if available)		<b>7</b> p.	a. Concentration	b. Mass	a. Long-Term Avg Value	Value	h. No. of Analyses
(if available)	Required	Present	Absent	(1) Concentration		(1) Concentration	(2) Mass	(1) Concentration N	للظ	Analyses			(1) Concentration	Mass	140 10 10000
GC/MS FRACTION - ACID COMPOUNDS	ON - ACID (	COMPOUN	DS	┨	1	4							+		1
1A. 2-Chloro- phenol (95-57-8)	,		×		<del></del>										1
2A. 2,4-															
Orophenol			*												
3A.				į					_						
2,4-Dimeth-			4												
(105-67-9)			*												
4A. 4,6-Dinitro-															
o-cresor (534-52-1)			×												
5A. 2,4-Dinitro-															
pnenoi (51-28-5)			x												
6A. 2-Nitro-						j									
phenol (88-75-5)			×												
7A. 4-Nitro- phenol															
(100-02-7)			х									L			
8A. P-chloro-m-															
cresol (59-50-7)			x		<u> </u>										
9A.															
phenol			×												
(87-88-5)					_										
10A. Phenol			∢												
11A. 2,4,6-Tri-			,												
chlorophenol (88-06-2)			×					······································							
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS	ON - BASE/	NEUTRAL	COMPOUN	DS											
IB. Acena-															
pntnene (83-32-9)			<												

12B. Bis (2-ethyl- hexyl)- phthalate (117-81-7)	11B. Bis (2-chlor- oisopropyl)- Ether	10B. Bis(2-chlor-oethoxy)-methane (111-91-1)	perylene (191-24-2) 9B. Benzo(k)- fluoranthene (207-08-9)	7B. 3,4-Benzo- fluoranthene (205-99-2) 8B. Benzo(ghl)	(56-55-3) 6B. Benzo(a)- pyrene (50-32-8)	Benzidine (92-87-5) 5B. Benzo(a)- anthracene	phtylene (208-96-8) 3B. Anthra- cene (120-12-7)	(If available) Required Present Absent (1)  GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)  2B. Acena-	POLLUTANT And CAS NO.	Part C - Continued
								Required ON – BASE/	Peting	
								Present NEUTRAL C	a. Believed	2. MARK "Y"
×	×	×	×	×	×	* ×	× ×	Absent	Believed	
								(1) (2) Concentration Mass (Continued)	Maximum P.	
									Value	
								Concentration	b. Maximum 30-Day Value (if available)	
									-Day	3.
								(1) Concentration	c. Long-Term Avg. Value (if available)	
								-		
								_	No. of	
									a. Concentration	UNITS
									b. Mass	
								(1) (2) Concentration Mass	a. Long-Term Avg Value	5. INTAKE (optional)
									b. No. of Analyses	

Part C - Continued	ed														
		2. MARK "X"				3. EFFLUENT	UENT				UNITS		INTAKE	5. INTAKE (optional)	<b>J</b>
POLLUTANT And CAS NO.		; <b>3</b>	7			b. Maximum 30-Day	Day	c. Long-Term Avg.	Vg.	Ç Q.		<b>,</b> 0	a. Long-Term Avg Value	Value	
(if available)	Required	Present	Absent	(1) (2) Concentration Mass		(1) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	Mass	(1) (2) (2) Concentration Ma	(2) Mass	Analyses	Concelliation	į	(1) Concentration	Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ION - BASE/	NEUTRAL	COMPOUN	1	┨┠	1 1									
13B. 4-Bromo-															
phenyl ether			٠												
(101-55-3)			^										: : :		
14B. Butyl-													;		
benzyl															
pntnatate (85-68-7)			×												
15B. 2-Chloro-															
naphthalene (7005-72-3)			×												
16B. 4-Chloro-															
phenyl															
phenyl ether (7005-72-3)			×												
17B. Chrysene															
(218-01-9)			×		_	<u> </u>									
(a,h)															
Anthracene			×												
19B 1.2															
Dichloro-															
benzene (95-50-1)			×												
20B. 1,3-															
Dichloro-															
Benzene (541-73-1)			×												
21B. 1,4-															
benzene		<u>-</u>	×												
(106-46-7)															
22B. 3,3-															
benzidene			×												
(91-94-1)															
23B. Diethyl		·													
Phthalate (84-66-2)			×												

Part C - Continued	ıed			A STATE OF THE STA											100
		2. MARK "X"				S. S	3, EFFLUENT				4. UNITS		5, INTAKE (optional)	rtional)	
POLLUTANT And CAS NO.			в Б.			b. Maximum 30-Day	Day	c. Long-Term	Avg.	T.	a.	М <b>Б</b> .	a. Long-Term Avg. Value		b. No. of
(if available)	Required	Present	Absent	(1) Concentration	Mass	(1) (2) Concentration Ma	Mass	(1) (2) Concentration Mass	(2) Mass				(1) (Concentration M	Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ION – BASE,	NEUTRAL	COMPOUN	DS (Continued)		┨							1	-	
24B. Dimethyl Phthalate (131-11-3)			×												
25B. Di-N- butyl Phthalate			•												
26B. 2.4-Dinitro-									į						
toluene (121-14-2)			×												
27B. 2 6-Dinitro-															
toluene (606-20-2)			×												
28B. Di-n-octyl Phthalate															
(11/-04-0)			*											-	
29B. 1,2- diphenyl- hvdrazine (as			×												
azonbenzene) (122-66-7)												j			
30B.															
(208-44-0)			×												
31B. Fluorene (86-73-7)			×												
32B. Hexachloro-															
benzene (118-71-1)			×												
33B. Hexachloro-															
butadiene (87-68-3)			x												
34B. Hexachloro-															
cyclopenta-			×												
(77474)															L.—.

	POLLUTANT And CAS NO.	(if available)	GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	35B. Hexachlo- roethane	(67-72-1)	36B. Indneo-	(1,2,3-oc)-	(193-39-5)	37B.	Isophorone (78-59-1)	38B.	Napthalene (91-20-3)	39B.	Nitro-	benzene (98-95-3)	40B. N-Nitroso-	dimethyl-	amine (62-75-9)	41B.	N-nitrosodi-n-	propylamine (621-64-7)	42B. N-nitro-	amine	(86-30-6)	43B. Phenan- threne	(85-01-8)	44B. Pyrene	45B. 1,2,4 Tri-	chloro- henzene	(120-82-1)
	5.7.	Required	ON - BASE/	4																										
2. MARK "X"	a.	Present	EUTRAL																											
	b.	Absent	COMPOUN		×		ı	×		×		×			×			×			×		×			х	!	۸	×	;
	Marinum Baily	(1) (2) Concentration Mass	DS (Continued)																											
	Valua		1																											
RACC	b. Maximum 30-Day Value (if available)	(1) (2 Concentration Ma																												
3. EFFILUENT	-Day	(2) Mass																							-					
	c. Long-Term Avg. Value (if available)	(1) Concentration																												
		(2) Mass																												
	۶ <sub>۴</sub>	Analyses																												
4. UNITS	a. Concentration																													
	Mass																													
INTAK	a. Long-Term Avg Value	(1) Concentration	, and the second		The state of the s																									
5. INTAKE (optional)	Value	(2) Mass																												
	No. of Analyses																													

14P. Endrin (72-20-8)	13P. Endosulfan Sulfate (1031-07-8)	12P. β- Endosulfan (115-29-7)	11P. α- Endosulfan (115-29-7)	10P. Dieldrin (60-57-1)	9P. 4,4'-DDD (72-54-8)	8P. 4,4'-DDE (72-55-9)	7P. 4,4'-DDT (50-29-3)	6P. Chlordane (57-74-9)	5P. 8-BHC (319-86-8)	4P. gamma-BHC (58-89-9)	3P. β-BHC (58-89-9)	2P. α-BHC (319-84-6)	1P. Aldrin (309-00-2)	GC/MS FRACTION - PESTICIDES	(if available)	And CAS NO.		Part C - Continued
														ION - PESTI	Required			led
														CIDES	Present	a. Relieved	2. MARK "X"	
×	×	×	×	×	×	×	×	×	×	*	×	×	×		Absent	Relieved		
															(1) Concentration	8.  Maximum Daily Value		
															(1) Concentration	b. Maximum 30-Day Value (if available)	EFF	
															Mass	0-Day able)	EFFLUENT .	3
															(1) (2) Concentration Mass	c. Long-Term / Value (if availa		
								į							100	Avg.		
															Analyses	No. e.		
															11.00	a. Concentration	UNITS	, K
																Mass		
					÷	: :									(1) Concentration	Long-Term Avg. Value	INTAK	
															(2) Mass	g. Value	INTAKE (optional)	1
																No. of Analyses		

25P. Toxaphene (8001-35-2)	24P. PCB-1016 (12674-11-2)	23P. PCB-1260 (11096-82-5)	22P. PCB-1248 (12672-29-6)	21P. PCB-1232 (11141-16-5)	20P. PCB-1221 (11104-28-2)	19P. PCB-1254 (11097-69-1)	18P. PCB-1242 (53469-21-9)	17P. Heptaclor Epoxide (1024-57-3)	16P Heptachlor (76-44-8)	15P. Endrin Aldehyde (7421-93-4)	GC/MS FRACTION - PESTICIDES	POLLUTANT And CAS NO. (if available)	Part C - Continued
											ION – PESTI	a. Testing Required	
											CIDES	a. Believed Present	2. MARK "X"
×	×	×	×	×	×	×	×	×	x	x		b. Believed Absent	
												Maximum Daily Value (1) (2) Concentration Mass	
												b. Maximum 30-Day Value (if available) (1) (2) Concentration Mass	3. EFFLUENT
												c. Long-Term Value (if avail (1) s Concentration	<b>=</b>
												Avg. able) (2) Mass	
												d. No. of Analyses	
												a. Concentration	4. UNITS
												Mass	
			i i									Long-Term Avg Value  (1) (2)  Concentration Mass	INTAK
												g Value (2) Mass	5. INTAKE (optional)
												h. No. of Analyses	1.354

these pages. (See instructions) PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing

i. pH	h. Temperature (summer)	g. Temperature (winter)	f. Flow (in units of MGD)	e. Ammonia (as N)	d. Total Suspended Solids (TSS)	c. Total Organic Carbon (TOC)	b. Chemical Oxygen Demand (COD)	<ul><li>a. Biochemical</li><li>Oxygen Demand</li><li>(BOD)</li></ul>		I. POLLUTANT		Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)
MINIMUM	VALUE	VALUE	VALUE						(1) Concentration	a. Maximun		t provide the resul	) EFFLUENT CI
MAXIMUM 7.94	<90 F	< 90 F	0.073		10				n (2) n Mass	a. Maximum Daily Value		ts of at least one a	HARACTERIST
MINIMUM	VALUE	VALUE	VALUE						(1) Concentration	b. Maximum 30-Day Value (if available)		malysis for every p	ICS (Continued f
MAXIMUM									(2) Mass	30-Day Value ilable)	2. EFFLUENT	ollutant in this tab	rom page 3 of Fo
	VALUE	VALUE	VALUE						(1) Concentration	c. Long-Term Avg. Value (if available)		le. Complete one t	rm C)
									(2) Mass	n Avg. Value liable)		able for each outfa	
1*					*				Analyses	<b>Х</b> д. 95		ll. See instructions	
STA					mg/L					a. Concentration	3. UNITS (specify if blank)	for additional deta	
STANDARD UNITS	ိုင်	°c	MGD							Mg 9	IITS If blank)	ails.	
	VALUE	VALUE	VALUE						(1) Concentration	Long-Term			OUTFALL NO. 003
									(2) Mass	a. Long-Term Avg. Value	4. INTAKE (optional)		. 003
									No of Analyses	•			

<sup>\*</sup> DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

POLLUTANT	2. MARK	2. MARK "X"				3. EFFLUENT				4. UNITS		INTAK	6. INTAKE (optional)	<b>)</b>
AND CAS NO.	A,	4	a. Maximum Daily Value	ly Value	b. Maximum 30-Day Value (if available)	0-Day able)	c. Long-Term Avg. Value (if available)	n Avg. ilable)	d. No. of	•	<b>.</b>	a. Long-Term Avg Value	Avg	b. No. of
(if available)	Believed Present	Believed Absent	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses	Concentration	Mass	(1) Concentration	(2) Mass	Analyses
a. Bromide (24959-67-9)		X												
b. Bromine Total														
Residual		x												
c. Chloride		X												
d. Chlorine, Total														
Residual		×												
		×												
Coliform		×												
g. Fluoride (16984-48-8)		x												
h. Hardness (as CaCO <sub>3</sub> )	×		108						1	mg/L				
i. Nitrate – Nitrite (as N)	×													
j. Nitrogen, Total														
Organic (as N)		×												
k. Oil and Grease	x		2.2						1	mg/L				
1. Phosphorous (as P), Total 7723-14-0		×												
m. Radioactivity														
(1) Alpha, Total		x												
(2) Beta, Total		×												
(3) Radium Total		×												
(4) Radium, 226, Total		x												

Deliver   Deli	POLLUTANT		2. MARK "X"				3. EFFLUENT				UNITS		INTAK	5. INTAKE (optional)	•
ff synthatble)         Believed (ass SO.).         CO.         O)         O)         O)         O)         Absent         Concentration         Mass         Concentration	And CAS NO.	4.	<b>.</b>	a. Maximum Dail	v Value	b. Maximum : Value (if avai	30-Day Hable)	c. Long-Terr Value (if ava	n Avg. ilable)	d. No. of	<b>a.</b>	Þ.	a. Long-Term Avg	Value	No. of
Sulfice (as SO <sub>2</sub> ) (as SO <sub>2</sub> ) (as SO <sub>3</sub> ) (as SO <sub>4</sub> ) (as	(if available)	Believed Present	Believed Absent	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses	Concentration	Mass	(1) Concentration	(2) Mass	Analyses
Sulfide (as S)  X  Sulfide (as SO <sub>A</sub> ) (1428-46-3) (1428-46-3) (1428-46-3)  Surfactams  X  Aluminum, Total Total Total (7440-39-3)  X  Total Tota		×													
(as S)  Suffice (as SO <sub>4</sub> )  (as SO <sub>4</sub> )  Aluminum,  Aluminum,  Total  Tot	·					:									
Sulfite (14286-46-3) (14286-46-3) (14286-46-3)  X Aluminum, Total Barium, Total (7429-90) (74429-90) (7440-48-4) (7440-48-4) (7440-48-4) (7449-98-6) (7439-98-6) Maganese, Total (7439-96-6) (7440-32-6) (7440-32-	(as S)		×	•											
(1428-46-3)	p. Sulfite														
Surfactants         x           Aluminum, Total (7429-90)         x           Earlim, Total (742-8)         x           Beron, Total (7440-42-8)         x           Cobalt, Total (7440-48-4)         x           Cobalt, Total (7449-89-6)         x           Iron, Total (7439-96-4)         x           Magnesium Total (7439-98-7)         x           Manganese, Total (7439-96-6)         x           Titanium, Total (7439-96-6)         x	(as 5U <sub>4</sub> ) (14286-46-3)		×												
Aluminum, Total Ranum, Total Ranum, Total Ranum, Total Roya,															
Aduminum, Total (7429-90) (7429-90)  Barium, Total (7440-90) (7440-42-8)  Cobalt, Total (7440-42-8)  (7440-42-8)  Kapesium Total (7439-89-6) (7439-99-6)  Kapesium Total (7439-98-7)  Manganese, Total (7430-98-7)  Manganese, Total (7430-98-7)  Manganese, Total (7430-98-7)  Manganese, Total (7440-11-5)  Manganese, Total (7440-12-6)			×												
Total (7429-90)   X   X   X   X   X   X   X   X   X						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
Barium, Total         x         48740-39-3)         x         48740-39-3)         x         48740-39-3)         x         48740-48-3         48740-48-	1 otal (7429-90)		×												
Boron, Total	s. Barium, Total		,												
Cobolt, Total			,												
Cobalt, Total       x         (7440-48-4)       x         (7439-89-6)       x         (7439-98-6)       x         Magnesium       x         Total       x         (7439-96-4)       x         Molybdenum       x         (7439-98-7)       x         Magnese,       x         Total       x         (7439-96-6)       x         Tin, Total       x         (7440-31-5)       x         Tinanium,       x         (7440-32-6)       x			×												
x 4.82 1.*	u. Cobalt, Total (7440-48-4)		×												
1			×					1							
n . x . 4.82	w. Magnesium														
x x x x	(7439-96-4)	x		4.82						1*	mg/L				
	x. Molybdenum	,	•												
	(7439-98-7)														
5) 5)	y. Manganese,														
5)	(7439-96-6)		x												
5)			×												
-32-6)	aa. Titanium,														
	Total (7440-32-6)		×												

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the Testing Required column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Mark "X: in the Believed Absent column for each pollutant you believe to be absent. If you mark either the Testing Required or Believed Present columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

	2	2. MARK "X"		MARX *XX	SERTIFORT	FZ				4.		5.	
POLLUTANT And CAS NO.	p		Φ.		b, Maximum 30-I	Day	c. Long-Term /	\vg.	d.	<b>*</b>	ъ.	a. Long-Term Avg Value	No. of
(if available) R	Testing Required	Believed Present	Believed Absent	Maximum Daily Value (1) (2)	Value (if available)           (1)         (2)	(2) 	Value (if available) (1) (2	(2)	No. of Analyses	Concentration	Mass	(a) (a)	Analyses
				Concentration Mass	Concentration		ation	Mass				ration   N	
METALS, CYANIDE AND TOTAL PHENOLS	E AND TO	TAL PHE	NOLS										
Total (7440-36-0) x				< 0.01					*	mg/L			
(7440-38-2) x				< 0.01					1*	mg/L			
3M. Beryllium Total													
(7440-41-7) x				< 0.001			:		*	mg/L			
4M. Cadmium Total													
(7440-43-9) x				< 0.002					<u>*</u>	mg/L			
5M. Chromium Total													
(7440-43-9) x				< 0.005					1*	mg/L			
6M. Copper Total													
(7550-50-8) x				0.006					1*	mg/L			
7M. Lead Total													
(7439-92-1) x				< 0.006					<del>-</del> *	mg/L			
8M. Mercury													
(7439-97-6) x				< 0.0002					*	mg/L			
9M. Nickel,													
(7440-02-0) x				< 0.005					1*	mg/L			
10M. Selenium,													
Total $(7782.49-2)$ x				< 0.01					*	mg/L			
IIM. Silver,													
(7440-28-0) x				< 0.005					*	mg/L			

Part C — Confinued  1.		Z. MARK "X"			3. BEFILUENT			L A.		5, INTAKE (optional)	
POLLUTANT And CAS NO.		a. b.	a.  Maximum Daily Value		b. Maximum 30-Day Value (if available)	c. Long-Term Avg. Value (if available)	Z	Concentration	Mass	a. Long-Term Avg Value	No. of
(if available)			(1) Concentration	C	(2) ration Mass	(1) (2) Concentration Mass			6	(1) (2) Concentration Mass	Analyses
METALS, CYA	METALS, CYANIDE AND TOTAL PHENOLS (Continued)	L PHENOLS (Co				H					
12M. Thallium, Total (7440-28-0)	X		< 0.02			-	*	mg/L			
13M. Zinc, Total (7440-66-6)	×		< 0.01		-		*	mg/L			
14M. Cyanide, Total (57-12-5)		×									
15M. Phenols, Total		×		-							
DIOXIN	-	:									
2,3,7,8 Tetra- chlorodibenzo, P, Dioxin		×	DESCRIBE RESULTS:	TS:							
GC/MS FRACTI	GC/MS FRACTION - VOLATILE COMPOUNDS	COMPOUNDS									
1V. Acrolein (107-02-8)		x							1		
2V. Acrylonitrile (107-13-1)		×									
3V. Benzene (71-43-2)		x									
5V. Bromoform (75-25-2)		x									
6V. Carbon Tetrachloride (56-23-5)		×									
7V. Chloro- benzene (108-90-7)		×									
8V. Chlorodibro-											
momethane		<u>.</u>									

Bromide (74.83.9)	20V. Methyl	(100-41-4)	19V. Ethyl-	(452-75-6)	pylene	18V. 1,3-	(78-87-5)	chloropropane	17V. 1,2-Di-	(75-35-4)	Dichlorethylene	16V. 1,1-	(107-06-2)	Dichloroethane	15V. 1,2-	(75-34-3)	Dichloroethane	14V. 1,1-	(75-71-8)	bromomethane	12V. Dichloro-	(67-66-3)	Chloroform	(110-73-0)	ethylvinyl Ether	10V. 2-Chloro-	(74-00-3)	Chloroethane	9V.	(II #YAMBDIE)	(if a all able)	And CAS NO.	POLLUTANT		Part C - Continued
																														Kequired	Sures r	Territor			2
																														Fresent	Demoter	Ralliaved		MARK "X"	<b>,</b>
×		×		,	×		×			×			×			×			×			×		*	•		×			Absent	Delicación	Balliavad			
	;																													Concentration	man summary rains	Maximum Daily			
																														Mass (	) and	Vallas —			
																													$\dashv$	Concentration		D. Maximum 30-11ay Value (if available)		EBFLUENT	
- <u>-</u>																								1					$\dashv$	Mass C		i i i i Ga F		ENT	
																														(1) Concentration	(1) Cura	C. Long-1 erm Avg.			
											-																L			100	-	hle)			
																														Allalyses	A	Z e	<b>L</b>		
																																2. Concentration	•	UNITS	<b>Z</b>
																															1	Mass.	<b>r</b>		
																									· · · ·					Concentration		aniga Saw iii ia i -Siirrī	8.	INTAKI	
																														Mass	3	V ZINE		INTAKE (optional)	л
																																Anglyses			

EFFLUENT  a. b. Maximum 30-Day c. Long-Term Avg. d.  Maximum Daily Value (if available) Value (if available) Value (if available) No. of (1) (2) (1) (2) Analyses  Concentration Mass Concentration Mass
b. Maximum 30-Day c. Long-Term Avg. Value (if available) Value (if available) (1) (2) (1) (2) Concentration Mass Concentration Mass
c. Long-Term Avg. Value (if available) (1) Concentration Mass
b. Long-Term Avg. Value Mass (1) Concentration Mass

B. Acena- phthene	11A. 2,4,6-Tri- chlorophenol (88-06-2)	10A. Phenol (108-05-2)	phenol (87-88-5)	9A.	cresol (59-50-7)	8A. P-chloro-m-	(100-02-7)	7A. 4-Nitro-	(88-75-5)	6A. 2-Nitro-	phenol (51-28-5)	5A. 2,4-Dinitro-	o-cresol (534-52-1)	4A. 4,6-Dinitro-	(105-67-9)	2,4-Dimeth-	3A	Orophenol	2A. 2,4- Dichlor-	(95-57-8)	Phenol	GC/MS FRACTION - ACID COMPOUNDS	(if available)		POLLUTANT		Part C - Continued
N BASE/N																						N - ACID C	Required	a. Testing			
EUTRAL																						OMPOUNI	Present	a. Believed	MAKK "X"	2.	
COMPOUN	×	×	×		×		×		×		×		×		×	1		×		×		S	Absent	b. Believed			
)S																							(1) Concentration	a. Maximum Daily Value			
													<del>.</del>										(2) Mass	Value			
																							(1) Concentration	b. Maximum 30-Day Value (if available)	T.F.F.L		
																			·				(2) Mass	-Day ble)	EFFLUENI	3.	
																							(1) Concentration	c. Long-Term Avg. Value (if available)		Andreas de la companya de la company	
			<u>.</u>		···········			<del></del>		·													(2) Mass	Avg. ble)			
																							Analyses	¥ e.			
																								a. Concentration	CITAIN	4.	
																								Mass			0.00
																							(1) Concentration	1 7	INI AND	TAL AVE	
																							(2) Mass	Value	INTANE (optional)	5.	
																								No. of Analyses	<u>)</u> b.		

Part C - Continued  1.	POLLUTANT And CAS NO. Te	(if available)   Req	GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	2B. Acena- phtylene	3B Anthra-	cene	(120-12-7)	4B.	(92-87-5)	5B. Benzo(a)-	anthracene (56-55-3)	6B. Benzo(a)-	pyrene (50-32-8)	7B. 3,4-Benzo-	(205-99-2)	8B. Benzo(ghl)	(191-24-2)	9B. Benzo(k)-	(207-08-9)	10B. Bis(2- chlor-	oethoxy)-	(111-91-1)	11B. Bis	(z-cinor- oisopropyl)- Ether	12B. Bis	hexyl)-	nhtholoto
2. MARK "X"	a. a. a. Testing Believed		BASE/NEUTRAI																								
	b. Believed		COMPOUN		×		×		×		×		×		×		×		x		×			×		×	
	a. Maximum Dally Value	(1) (Concentration M																									
	b. Maximi Value (if	င္ပ	1																								
3.	30-Day ilable)	Mass	1																								
	c. Long-Term Avg. Value (if available)	(1) Concentration																									
	Avg. d. ble) No. of	$\dashv$				-																					
UNITS	a. Concentration	oner er Oner er																									
	b. Long-Term Avg Value Mass	(1) Concentration																									
5. INTAKE (optional)		(2) Mass	┨																								
	b. No. of Analyses																										

Part C - Continued	led													
		2. MARK "X"				3.	ENT				1 4.		5. INTAKE (antional)	
POLLUTANT And CAS NO.		a. Believed	b. Believed	<b>a.</b> Maximum Daily Value		b. Maximum 30-Day Value (if available)	Day	c. Long-Term A Value (if availa	Avg.	N. d.		M p.	a. Long-Term Avg Value	b. No. of
(if available)	Required	Present		(1) Concentration	<u>ک</u>	(1) Concentration	8	(1) (2) Concentration Mass	Mass	Analyses			(1) (2) Concentration Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON – BASE/	NEUTRAL	COMPOUN	_	- 1	- 1	┨						┨╏	
phenyl Phenyl ether			×						· · · · · · · · · · · · · · · · · · ·					
14B. Butyl-					-									
benzyl phthalate			×								***			
(65-06-7)					1		-							
naphthalene														
16B. 4-Chloro-					-									
phenyl			•											
(7005-72-3)			:											
17B. Chrysene														
(218-01-9)			×											
(a,h)					·									
Anthracene (53,70,3)			×											
19B. 1,2-														
Dichloro-														
benzene (95-50-1)			×											
20B. 1,3- Dichloro-														
Benzene (541-73-1)			×								***************************************			
21B. 1,4-														1
benzene			×											
(106-46-7)														
22B. 3,3-														
benzidene			×		<del>-</del>			44.						
(91-94-1)							_							
23B. Diethyi Phthalate														
(84-66-2)			×											

Part C - Continued		2							2				5.		
POLLUTANT		MAKK "X"				EZIOEN					STIND		INTAKE (optional)	otional)	۶.
And CAS NO.	a. Testing	a. Believed	b. Believed	a. Maximum Daily Value	Value	<ul><li>b. Maximum 30-Day</li><li>Value (if available)</li></ul>	Day	c. Long-Term Avg. Value (if available)	Avg.	No. of	a. Concentration	Mass	Long-Term Avg. Value		No. of Analyses
(if available)	Required	Present	Absent	(1) Concentration	M <sub>2</sub> (2)	(1)	Mass	(1) Concentration	M (2)	Analyses			(1) (Concentration M	M (2)	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON – BASE/I	NEUTRAL (	COMPOUN	DS (Continued)									╽┟		
24B. Dimethyl									1						
(131-11-3)			×												
25B. Di-N-															
(84-74-2)			×												
26B.	ŧ													-	
2,4-Dinitro-			!												
(121-14-2)			<u>~</u>												
27B.															
2,6-Dinitro- toluene			×												
(606-20-2)			;										-		
28B. Di-n-octyl															
(117-84-0)			×												
29B. 1,2-															
hydrazine (as			×												
azonbenzene)															
30B.															
Fluoranthene (208-44-0)			×	_											
21B El.															
(86-73-7)			×												
32B. Hexachloro-															
benzene (118-71-1)			*												
33B. Hexachloro-															
butadiene (87-68-3)	-		×												
34B.															
cyclopenta-			×												
diene (77-47-4)															
													The same of the sa		

	POLLUTANT And CAS NO. a. Testing	(if available) Required	GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	35B. Hexachlo-	(67-72-1)	36B. Indneo-	(1,2,3-0c)-	(193-39-5)	37B.	(78-59-1)	38B.	Napthalene (91-20-3)	39B.	benzene	(98-95-3)	40B. N-Nitroso-	amine	41B.	N-nitrosodi-n-	propylamine (621-64-7)	1	42B. N-nitro- sodiphenyl-	42B. N-nitro- sodiphenyl- amine (86-30-6)	42B. N-nitro- sodiphenyl- amine (86-30-6) 43B. Phenan-	42B. N-nitro- sodiphenyl- amine (86-30-6) 43B. Phenan- threne (85-01-8)	42B. N-nitro- sodiphenyl- amine (86-30-6) 43B. Phenan- threne (85-01-8) 44B. Pyrene	42B. N-nitro- sodiphenyl- amine (86-30-6) 43B. Phenan- threne (85-01-8) 44B. Pyrene (129-00-0) 45B. 1.2.4 Tri-	42B. N-nitro- sodiphenyl- amine (86-30-6) 43B. Phenan- threne (85-01-8) 44B. Pyrene (129-00-0) 45B. 1,2,4 Tni- chloro-
2. MARK "X"			ASE/NEUTRAL																									
	b. Believed	Absent	COMPOUN		×		1	×		×		×		×			×			×		×		×		×		
	a. Maximum Daily Value	(1) Concentration	DS (Continued)																									
	Value		ł					·-														· · · · · ·						
EFR	b. Maximum 30-Day Value (if available)	(1) Concentration																										
3.	0-Day able)	Mass								·																		
	c. Long-Term Avg. Value (if available)	(1) Concentration																										
	Avg.	(2) Mass																										
	N <sub>o.</sub> d. e.	Analyses																										
4.	a. Concentration															······································	<del></del>						*					
	b. Mass																											
INTAK	a. Long-Term Avg Value	(1) Concentration																										
5. INTAKE (optional)	; Value	Mass																										
	b. No. of Analyses																											

Part C - Continued	ied					1					•			1	
		2. MARK "X"	8 8			3. EFFLUENT	TNI				4. UNITS		INTAKI	5. INTAKE (optional)	
POLLUTANT And CAS NO.		a. Believed	b. Believed	a. Maximum Daily Vah		b. Maximum 30-Day Value (if available)		c. Long-Term Avg. Value (if available)		No. of		b. Mass	a, Long-Term Avg. Value	. Value	b. No. of Analyses
(if available)	Required	Present	Absent	(1) (2) Concentration Mass	င္စ	(1) Concentration M	) ss C	(1) Concentration	SS )				(1) Concentration	(2) Mass	
GC/MS FRACTION - PESTICIDES	ION - PESTI	CIDES		<b>-</b>	┥┟	- 1	-	-I I				_			
1P. Aldrin (309-00-2)			×			<u> </u>									
2P. α-BHC (319-84-6)			×												
3P. β-BHC (58-89-9)			×												
4P. gamma-BHC (58-89-9)			x												
5P. δ-BHC (319-86-8)			×												
6P. Chlordane (57-74-9)			×						<u> </u>			-			
7P. 4,4'-DDT (50-29-3)			×												
8P. 4,4'-DDE (72-55-9)			×												
9P. 4,4'-DDD (72-54-8)			×												
10P. Dieldrin (60-57-1)			x												
11P. α- Endosulfan (115-29-7)			x												
12P. β- Endosulfan (115-29-7)			×		***************************************	····									
13P. Endosulfan Sulfate (1031-07-8)			×									,,,,,,	:		
14P. Endrin (72-20-8)			X												

Part C - Continued  1.  POLLUTANT And CAS NO.	Led a. Testing	A. Believed		a. Maximum Daily Value	lly Value	EFFLUEN  B. Maximum 30-Day  Value (if available)	3. EFFLUENT Im 30-Day available)	c. Long-Term Avg. Value (if available)	Avg.	d. No. of		UNITS a. Concentration	S. Concen	UNITS INTAKE ( a. b. Long-Term Avg V  Concentration Mass
(if available)	Required	Present	Absent	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration		(2) Mass	(2) / Mass /	(2) Analyses Mass	(2) Analyses Mass	(2) Analyses Mass
GC/MS FRACTION - PESTICIDES  15P. Endrin	TION - PEST	ICIDES			-									
Aldehyde (7421-93-4)			×											
16P Heptachlor (76-44-8)			×											
Epoxide (1024-57-3)			×											
18P. PCB-1242 (53469-21-9)			×											
19P. PCB-1254 (11097-69-1)			×						İ					
20P. PCB-1221 (11104-28-2)			×						i .					
21P. PCB-1232 (11141-16-5)			×						t .					
22P. PCB-1248 (12672-29-6)			×											
23P. PCB-1260 (11096-82-5)			×											
24P. PCB-1016 (12674-11-2)			×											
25P. Toxaphene (8001-35-2)			×											

these pages. (See instructions) PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing

i. pH	h. Temperature (summer)	g. Temperature (winter)	f. Flow (in units of MGD)	e. Ammonia (as N)	d. Total Suspended Solids (TSS)	c. Total Organic Carbon (TOC)	b. Chemical Oxygen Demand (COD)	a. Biochemical Oxygen Demand (BOD)		I. POLLUTANT		V. INTAKE A  Part A – You n	
MINIMUM	VALUE	VALUE	s VALUE			С	nd	ıd I	(1) Concentration	· 		V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)  Part A – You must provide the results of at least one analysis for every pollutant in this table. Co	
MAXIMUM 7.88	<90 F	< 90 F	0.073		<u> </u>				ion (2) Mass	a. Maximum Daily Value		CHARACTERIST ults of at least one	
MINIMUM	VALUE	VALUE	VALUE						(1) Concentration	b. Maximum (if ava		TICS (Continued f analysis for every p	
MAXIMUM	-							:	(2) Mass	b, Maximum 30-Day Value (if available)	2. EFFLUENT	rom page 3 of Fo	
	VALUE	VALUE	VALUE						(I) Concentration	c. Long-Term Avg. Value (if available)		V. INTAKE AND EFFLUENT CHARACTERISTICS (Continued from page 3 of Form C)  Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	
									(2) Mass	Avg. Value able)		ble for each outfa	
1*	:				1*				Analyses	No. of		II. See instructions	
STA					mg/L					Concentration	3. UNITS (specify if blank)	for additional deta	
STANDARD UNITS	ာိ	°c	MGD							<b>\$</b> •	ITS (blank)	iis.	
	VALUE	VALUE	VALUE						(1) Concentration	a. Long-Term Avg. Value		OUTFALL NO.	-4-1
						:			(2) Mass	Avg. Value	4. INTAKE (optional)	. 004	•
									No of Analyses				

<sup>\*</sup> DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part B - In the MARK "X" column, place an "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Place an "X" in the Believed Absent column for each pollutant you believe to be absent. If you mark the Believed Present column for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

	1 A 2	2. WARK				3.				4.			6.	
AND CAS NO.	P	Ъ.	a. Maximum Dally Value	ly Value	b. Maximum 30-Day Value (if available)	Day ble)	c. Long-Term Avg. Value (if available)	ı Avg. lable)	No. of	•	<b>ਸ</b>	a. Long-Term Avg Value	g-Term Avg Value	No. er
(if available)	Believed Present	Believed Absent	(1) Concentration	(2) Mass	(1) Concentration	) SS	(1) Concentration	(2) Mass	Analyses	Concentration	Mass	(1) Concentration	Mass	Analyses
a. Bromide (24959-67-9)		×												
b. Bromine Total					-									
Residual		×											<u> </u>	
c. Chloride		X											•••••	
d. Chlorine, Total														
Residual		×												
		×												
t. recal Coliform		х												
g. Fluoride (16984-48-8)		х											, ,	
h. Hardness (as CaCO <sub>3</sub> )	×		97.7						1	mg/L				
i. Nitrate – Nitrite (as N)	×													
<ul><li>j. Nitrogen, Total</li></ul>												•		
Organic (as N)		×												
k. Oil and Grease	×		1.8						1	mg/L				
<ol> <li>Phosphorous         (as P), Total         7723-14-0     </li> </ol>		×												
m. Radioactivity														
(1) Alpha, Total		×		·										
(2) Beta, Total		×												
(3) Radium Total		x												
(4) Radium, 226, Total		×												

1. POLLITANT		2. MARK "X"			T.F.	FEFT LIEUT				11.4.		INTAK	S. S	
And CAS NO.		<b>.</b>	a. Maximum Dally Value	v Value	b. Maximum 30-Day Value (if available)	0-Day	c. Long-Term Avg. Value (if available)	1 Avg. labie)	No. of	•	<b>-</b>	a. Long-Term Avg.	Value	No. of
(if available)	Believed Present	Believed Absent	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	(1) Concentration	(2) Mass	Analyses	Concentration	Mass	(1) (2) Concentration Mass	(2) Mass	Analyses
n. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	×											·		
o. Sulfide (as S)		×												
p. Sulfite (as SO <sub>4</sub> )		×												
Surfactants														
		×												
r. Aluminum, Total		×												
s. Barium, Total (7440-39-3)		×												
t. Boron, Total (7440-42-8)		×												
u. Cobalt, Total (7440-48-4)		×												
v. Iron, Total (7439-89-6)		×												
w. Magnesium Total (7439-96-4)	×		₹ <b>2</b> 9						*	mo/I				
x. Molybdenum Total (7439-98-7)		×								¢				
y. Manganese,														
(7439-96-6)		×												
z. Tin, Total (7440-31-5)		×												
aa. Titanium,														
(7440-32-6)		×												

Part C – If you are a primary industry and this outfall contains process wastewater, refer to Table C-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in the Testing Required column for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark this column (secondary industries, nonprocess wastewater outfalls, and non-required GC/MS fractions), mark "X" in the Believed Present column for each pollutant you know or have reason to believe is present. Mark "X: in the Believed Absent column for each pollutant you believe to be absent. If you mark either the Testing Required or Believed Present columns for any pollutant, you must provide the result of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table (all seven pages) for each outfall. See instructions for additional details and requirements.

Concentration   Delivered			2. MARK "X"		2. MARK "X"		V.507.1	3. EFFLUENT				SLINO *	5. INTAKE (optional)	5 I
Testing   Believed   Believed   Believed   Maximum Dally Value (It wallable)   Value (	NA O.		P	ъ.			b. Maximum 36	-Day	c. Long-Term /	Avg.	d.		Long-Term Avg Value	
Required   Present   Absent   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Mass   Concentration   Concentration   Mass   Concentration   Mass   Concentration   Concen		Testing	Believed	Believed	Maximum Daily	Value	Value (if avails	able)	Value (if availa	ble)	No. of	-		Analyses
NANIDE AND TOTAL PHENOLS   1	10 TA	Required	Present	Absent	(1) Concentration		(1) Concentration	(2) Mass	(1) Concentration	Mass	Analyses			
0) x	METALS, CYANII	DE AND TO	OTAL PHE	NOLS										1
(a) x x x x x x x x x x x x x x x x x x x	IM. Antimony Total (7440-36-0)	× 			< 0.01						*	mg/L		
(a) x														-
X	13	×			< 0.01						*	mg/L		+
X X X X X X X X X X X X X X X X X X X	Total				;						,	i		
) x	1				70.001	_					1	mg/r		十
um 4.9) x		× 			< 0.002						*	mø/Ľ		
1.4) x < 0.005														
2-8) x < 0.006	-9)	×			< 0.005						1*	mg/L		
1-8) x	M. Copper Total													
2-1) x < < 0.006	50-8)	×			< 0.006	$\downarrow$					*	mg/L		+
y	3	•			0000						<del>-</del>			
2-6) x < 0.0002	$\rightarrow$													
2-0) x < 0.005		x			< 0.0002						*	mg/L		
x < 0.005	9M. Nickel, Total													
x <0.01	├-	×			< 0.005						*	mg/L		Η.
2) x <0.01 1*	10M. Selenium,													
IM. Silver,	┝	×			< 0.01						*	mg/L		<del>                                     </del>
	lM. Silver, Total													

Cinoromoro-	8V.	/ v. Cnioro- benzene (108-90-7)	Tetrachloride (56-23-5)	5V. Bromoform (75-25-2)	3V. Benzene (71-43-2)	Acrylonitrile (107-13-1)	1V. Acrolein (107-02-8) 2V.	GC/MS FRACTION - VOLATILE COMPOUNDS	P, Dioxin (1784-01-6)	2,3,7,8 Tetra- chlorodibenzo,	DIOXIN	15M. Phenols, Total	Total (57-12-5)	ide,	Total (7440-28-0)	METALS, CYANIDE AND TOTAL PHENOLS (Continued) 12M. Thallium.	(if available)			Part C - Continued
								N - VOLA						×	×	DE AND TO	Required	a. Testing		
								TILE COMI								OTAL PHE	Present	a. Believed	AARK "X"	3
		×	×	×	×	×	×	POUNDS	×			×	x			NOLS (Con	Absent	b. Believed		
										DESCRIBE RESULTS:				0.065	< 0.02	inued)	(1) Concentration	a. Maximum Daily Value		
		<u> </u>								JLTS:								Value		
																	(1) Concentration	b. Maximum 30-Day Value (if available)	Đ <b>RR</b> )	
																	(2) Mass	)-Day able)	EFFLUENT	
																	(1) Concentration	c. Long-Term Avg. Value (if available)		
																	(2) Mass	Avg. able)		
														*	*		Analyses	No. et		
														mg/L	mg/L			a. Concentration	UNITS	
																		Mass		
																	(1) Concentration	a. Long-Term Avg Value	INTAK	
																	(2) Mass	g Value	5. INTAKE (optional)	
			:														Analyses	No. of	<b>1</b>	

20V. Methyl Bromide (74-83-9)	(100-41-4)	19V. Ethyl-	(452-75-6)	Dichloropro-	18V. 1,3-	(78-87-5)	chloropropane	17V 12-Di-	(75-35-4)	16V. 1,1-	(107-06-2)	Dichloroethane	15V. 1,2-	(75-34-3)	Dichloroethane	14V. 1,1-	(75-71-8)	bromomethane	12V Dichloro-	(67-66-3)	11V.	(110-75-8)	ethylvinyl Ether	10V 2-Chloro-	(74-00-3)	9V.		(if available)		And CAS NO.	1.	raice-commined
																												Required	Testing			2
		····																										Present	Believed		MARK "X"	2.
×	×		>	4		X			×		×			×			×			×		×		,	≺			Absent	Believed	7		
																											tion	(I)	Maximum Daily Value			
																				·							Conc		ue Value (if available)	p. Maximum		
					·																						Mass	(2)	ilable)	30-Dav	EFFLUENT	ω
																											Concentration Mass	(1) (2)	Value (if available)	c. Lang-Term Avg.		
																	•										10.0	Ų.		<b>.</b>		
					•																								Concentration	•	UNITS	4.
																													Mass	7		
																											Concentration	(L)	0	a. Long-Term Avg Value	INTAK	
																											Mass	3		y Value	INTAKE (optional)	5
																													Analyses	Z p		

30V. Vinyl Chloride (75-01-4)	ethylene (79-01-6)	(79-00-5) 29V. Trichloro-	28V. 1,1,2-Tri- chloroethane	(71-55-6)	27V. 1,1,1-Tri- chloroethane	ethylene (156-60-5)	26V. 1,2-Trans- Dichloro-	(108-88-3)	25V. Toluene	ethylene (127-18-4)	24V Tetrachloro-	(79-34-5)	ethane	23V. 1,1,2,2-	(75-00-2)	22V. Methylene Chloride	(74-87-3)	21V. Methyl Chloride		(if available)		And CAS NO.		Part C - Continued
																				Required	Testing	P		
																				Present	Believed	۲	MARK "X"	3
×	×	×		×		×		X		×			×		×		×			Absent	Believed	₹		
																			Concentration	(I)	Maximum Daily Value	P		
																			Mass	(2)	y Value			
																			Concentration	(1)	Value (if available)	b. Maximum	EF1	
							· · · · · ·												Mass	(2)	llable)	O-Dav	EFFLUENT	اد
																			Concentration	(1)	Value (if available)	c. Long-Term		
							,												Mass	(2)	lable)	Avg.		
	· ·													·-····						Analyses	No. of	P		
																					Concentration	2	UNITS	4
																					Mass	7		
																			Concentration	Œ		a. Long-Term Avg. Value	INTAK	
																			Mass	(2)		. Value	INTAKE (optional)	۸ ا
																					Analyses	Z P. p. er.	D	

Action	Part C - Continued  1. POLLUTANT And CAS NO.		MARK "X"			3. EFFLUENT b. Maximum 30-Day Volum off systleMax		c. Long-Term Avg.	Ng.	<b>5</b> -	UNITS	<b>[F</b>	INTAKE (options.)  a.  Long-Term Avg Value		INTAKE (optional)  a. b. erm Avg Value No. of
Abendon   Aben	(if available) GC/MS FRACTI	Required ION - ACID	Present COMPOUN	Absent	-		8	$\vdash$	(2) Mass	Analyses			(1) Concentration		(2) Mass
SAR 2-4-Directors   SAR	IA. 2-Chloro-	ION - ACW	COMPOUN				_						*	$\dashv$	
Dishlor- JA-Dimito- JA-Dimito- JA-Dimito- JA-Dimito- JA-Dimito- JA-Dimito- JA-Dimito- JA-Dimito- JA-Dimito- JA-A-Viltro- J	phenol (95-57-8)			×		 									
Application	2A. 2,4- Dichlor-														
2.4-Dimitch 2.4-Dimitch yiphenol (105-67-2) 4.4.4-Dimitro- o-cressol (51-28-5) 5.4-2-Dimitro- phenol (51-28-5) 5.4-A-Vinitro- phenol (61-28-5) 7.4-4-Vinitro- phenol (100-02-7) 7.4-4-Vinitro- phenol (100-02-7) 7.4-4-Vinitro- phenol (100-02-7) 8.4-P-chloro-m- (100-02-7) 8.4-P-chloro-m- (100-02-7) 8.4-P-chloro-m- (100-03-7) 8.4-P-chloro-m- (100-0	Orophenol (120-83-2)			×		 									
A2+Unimen-   X	3A.													$\dashv$	
AA, 46-Dinitro	ylphenol			×											
O-cresol (534-25-1) (5A.24-Dinitro- phenol (51-28-5) (5A.24-Dinitro- phenol (51-28-5) (88-75-5) (88-75-5) (88-75-5) (88-75-7) (88-75-7) (88-75-7) (88-75-7) (98-95-7) (98-95-7) (100-02-7)	4A. 4,6-Dimitro-													+	
5A. 2.4-Dinitro-phenol       x         (5.1-28-5)       x         (A. 2-Nitro-phenol)       x         7A. 4-Nitro-phenol       x         1A. 4-Nitro-phenol       x         (100-02-2)       x         8A. P-chloro-m-cresol       x         cresol       x         4A. P-chloro-m-cresol       x         cresol       x         4A. P-chloro-m-cresol       x         cresol       x         4A. P-chloro-m-cresol       x         cresol       x         (59-50-7)       x         (87-88-5)       x         (108-05-2)       x         11A. 2.4.6-Tri-chloro-phenol       x         (108-05-2)       x         11A. 2.4.6-Tri-chloro-phenol       x         (18A-06-2)       x         CC/MS FRACTION - BASE/VEUTRAL COMPOUNDS	o-cresol (534-52-1)			×											
(51-28-5)) (51-28-5)) (52-24-1)iro- (58-75-5) (100-02-7	5A. 2,4-Dinitro-													_	
6A. 2-Nitro-   phenol   (88-75-5)	(51-28-5)			×											
Renaction   Respective   Resp	6A. 2-Nitro-													$\neg$	
7A. 4-Nitro- phenol (100-02-7)  8A. P-chloro-m- cresol (59-50-7)  9A. Pentachloro- phenol (108-05-2)  10A. Phenol (108-05-2)  11A. 2.46-Tri- chlorophenol (88-06-2)  11A. 2.46	(88-75-5)			×											
(100-02-7)	7A. 4-Nitro-					 -									
8A. P-chloro-m- cresol (59-50-7)  9A.  Pentachloro- phenol (87-88-5)  10A. Phenol (108-05-2)  11A. 2.4.6-Tri- chlorophenol  6C/MS FRACTION - BASE/NEUTRAL COMPOUNDS  1 B. Acena- phthene	(100-02-7)			X											
(39-50-7)	8A. P-chloro-m-														
9A. Pentachloro- phenol (87-88-5)  10A. Phenol (108-05-2)  11A. 2,4,6-Tri- chlorophenol (88-05-2)  12	(59-50-7)			×											
Phenol (87-88-5)   X	9A. Pentachloro-														
10A. Phenol	phenol (87-88-5)			×											
(108-05-2)	10A. Phenol														
11 A. 2,4,6-Tri- chlorophenol (88-06-2) (88-06-2) GCIMS FRACTION – BASE/NEUTRAL COMPOUNDS  1B. Acena- phthene	(108-05-2)			×										Г	
(88-06-2)  GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS  1B. Acena- phthene	11A. 2,4,6-Tri- chlorophenol														
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS  1B. Acena- phthene	(88-06-2)			X											
phthene	GC/MS FRACTI	ION - BASE/	NEUTRAL	COMPOUN	DS									1	
	1B. Acena- phthene							-							

(2-ethyl- hexyl)- phthalate (117-81-7)	(2-chlor- oisopropyl)- Ether	chlor- oethoxy)- methane (111-91-1)	24-2 Senzo antho	fluoranthene (205-99-2) 8B. Benzo(ghl)	ов. Benzo(a)- pyrene (50-32-8)	SB. Benzo(a)- anthracene (56-55-3)	4B. Benzidine (92-87-5)	3B. Anthra- cene (120-12-7)	2B. Acena- phtylene (208-96-8)	And CAS NO.  a. b. a. (if available)  GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (Continued)	1. POLLUTANT
										Testing Required ON - BASE/	
										Believed Present VEUTRAL	2. MARK "X"
*	*	×	×	×	×	×	×	×	×	Believed Absent OMPOUNI	
										b. Maximum 30-Day Value (if available) (1) (2) Concentration Mas	BEFFLUENT
											UENT
										c. Long-Term Avg. Value (if available) (1) (2) Concentration Ma	
										No. of Analyses	
										a. Concentration	4. UNITS
										Mag.	
										Long-Term Avg Value (1) (2) Concentration Mass	INTAKE (optional)
										<b>}</b>	onal) b.

NAME   Princip		7	2. MARK "X"			E 3.			J.A.		5.  NTAKE (mortima)	
Day   Repair   Present   Absent   On		Name and se	a. Relieved	b. Believed	a. Maximum Daily Value	b. Maximum 30-Day Value (if available)			a.	Mass	a. Long-Term Avg Value	b. No. of
BRACTION - BASE/NEUTRAL COMPOUNDS (Centinued)  BRACTION - BASE/NEUTRAL COMPOUNDS (Centinued)  X X X X X X X X X X X X X X X X X X X	1 1 451 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	equired	Present	Absent			(1) Concentration	s				
onno- lloro- lloro- nzo- nzo-  yl	Z/MS FRACTION	- BASE/N	VEUTRAL C	OMPOUN	-	⊢ ŀ					┨╏	+
lloro- ll	envi											
lloro- lloro- nzo- nzo- nyl	enyl ether			*								
loro-	)1-55-3)											
loro- ne n	B. Butyl-											
loro-	thalate			×					<u> </u>			
ner libro- lloro- lloro	3-68-7)											
loro-	shthalene											
loro-	)05-72-3)			x								
sene ) nzo-  nzo-  yl	B. 4-Chloro-											
sene ) nzo- e e	enyi enyi ether			×								
sene ) nzo- nz o-  ie	)05-72-3)											
nzo-	R Chrysene	<del></del>										
nzo- le	8-01-9)			x								
ıyl )	B. Dibenzo-											
ıyl )												
Dyl I	1-70-3)			*								<del></del>
y I	B. 1,2-											
y I	chloro-											
ly ly	1.50-1)			×								
Dyl.	B. 1,3-											
Dyl I	chloro-			1								
) Iyl	11-73-1)			×								
Jyl V	B. 1,4-											
Jyl )	chloro-			•		<del></del>						
īyl .	16-46-7)			*								
Jyl	В. 3,3-											
lyl .	chloro-			!				·····				
hyl	-94-1)			*								
	B. Diethyl											
												-

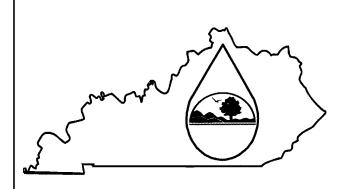
Part C - Continued	ed														
		2. MARK "X"				3. EFFLUENT	CENT				UNITS		5. INTAKE (optional)	; (optiona	<b>)</b>
And CAS NO.	Testino	a. Believed	b. Believed	<b>a.</b> Maximum Daily Value	) 	b. Maximum 30-Day Value (if available)	Day ble)	c. Long-Term Avg. Value (if available)	Avg.	<b>7</b> d.	a. Concentration	b,	a. Long-Term Avg. Value	Value	b. No. of
(if available)	Required	Present	Absent	(1) Concentration	Mass	(1) Concentration	Mass	(1) Concentration	Mass	Analyses			(1) Concentration	(2) Mass	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	ON - BASE/I	NEUTRAL	COMPOUN	1 1		{							1		
24B. Dimethyl Phthalate						<i>:</i>									
(131-11-3)			х										· · · ·		
25B. Di-N-															
(84-74-2)			X												
26B.															
2,4-Dinitro-			•												
(121-14-2)			*												
27B. 2.6-Dinitro-															
toluene (606-20-2)			×												
28B. Di-n-octyl															
Phthalate (117-84-0)			×												
29B. 1,2-															
hydrazine (as			×												
azonbenzene) (122-66-7)															
30B.															
Fluoranthene (208-44-0)			x												
31B. Fluorene					····		· · · · · · · · · · · · · · · · · · ·								
(86-73-7)			×												
Hexachloro-															
benzene (118-71-1)			X												
33B. Hexachloro-				dan											
butadiene (87-68-3)			×												
34B.															
cyclopenta-			×												
diene (77-47-4)															

	And CAS NO.	(if available)	GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (Continued)	35B. Hexachlo- roethane	(67-72-1)	36B. Indneo-	(1,2,3-06)-	Pyrene (193-39-5)	37B.	(78-59-1)	38B.	(91-20-3)	39B.	henzene	(98-95-3)	40B. N-Nitroso-	amine	(62-75-9)	41B.	N-nitrosodi-n-	propylamine (621-64-7)	42B. N-nitro- sodiphenyl-	amine (86-30-6)	43B. Phenan-	(85-01-8)	44B. Pyrene	(129-00-0)	45B. 1,2,4 Tri- chloro-	benzene
	a. Testing	Required	ION - BASE/																										
MARK "X"	a. Believed	Present	NEUTRAL																										
	b. Believed	Absent	COMPOUNI		Х			*		×		×		<b>&lt;</b>	;		<b>&lt;</b>	>			×		×		×		×		*
	a. Maximum Daily Value	(1) Concentration	OS (Continued)																										
	Value	3 .																											
ENG	b. Maximum 30-Day Value (if available)	(1) Concentration																											
3. EFFLUENT	Day	(2) Mass																											
	c. Long-Term Avg. Value (if available)	(1) Concentration																											
	Avg. able)	(2) Mass																											
	No. e.	Analyses																<u> </u>											
4. UNITS	a. Concentration																	<u> </u>											
	Mass		-																										
INTAKE	a. Long-Term Avg Value	(1) Concentration										4																	
5; INTAKE (optional)	Value	Mass																											
	b. No. of Analyses						_											<u>L</u>											

14P. Endrin (72-20-8)	13P. Endosulfan Sulfate (1031-07-8)	12P. β- Endosulfan (115-29-7)	11P. α- Endosulfan (115-29-7)	10P. Dieldrin (60-57-1)	9P. 4,4'-DDD (72-54-8)	8P. 4,4'-DDE (72-55-9)	7P. 4,4'-DDT (50-29-3)	6P. Chlordane (57-74-9)	5P. &-BHC (319-86-8)	4P. gamma-BHC (58-89-9)	3P. β-BHC (58-89-9)	2P. α-BHC (319-84-6)	1P. Aldrin (309-00-2)	GC/MS FRACTION - PESTICIDES	(if available)	POLLUTANT CAS NO	
														ON – PESTI	Testing Required		
														CIDES	Believed Present	MAKK "X	2.
х	×	×	×	×	×	×	×	×	×	×	×	×	×		Believed Absent		
														Concentration Mass	<del> </del> =		
														Colicelluadou	Value (if availa	EFFICIENT	3.
														MASS CONCENTRATION		$\dashv$	
														<b>4</b>	able) No. of (2) Analyses		
															Concentration	UNITS	4.
														Concentration Mass	Mass (1) (2)		5.
															Analyses		

25P. Toxaphene (8001-35-2)	24P. PCB-1016 (12674-11-2)	23P. PCB-1260 (11096-82-5)	22P. PCB-1248 (12672-29-6)	21P. PCB-1232 (11141-16-5)	20P. PCB-1221 (11104-28-2)	19P. PCB-1254 (11097-69-1)	18P. PCB-1242 (53469-21-9)	17P. Heptaclor Epoxide (1024-57-3)	16P Heptachlor (76-44-8)	SC/MS FRACTION - FESTICIDES 15P. Endrin Aldehyde (7421-93-4)	1. POLLUTANT And CAS NO. (if available)	Part C - Continued
										ON - PESTI	a. Testing Required	Ē
										CIDES	A. Believed Present	
×	×	×	×	×	×	×	×	×	×	×	b. Believed Absent	
						:					Maximum Daily Value (1) (2) Concentration Mass	
											b. Maxim Value (if (1) Concentrati	
											EFFLUENT um 30-Day available) (2) on Mass	
								-			c. Long-Term A Value (if availa) (1) Concentration	
											Avg able)   1 Mass	
											d. No. of Analyses	
											UNITS  B.  Concentration	
											b. Mass	
											INTAKE (optic a. Long-Term Avg Value  (1) Concentration (2)	
											b. No. of Analyses	

## KPDES FORM F



## KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

### PERMIT APPLICATION

A complete application consists of this form and Form 1. For additional information, Contact KPDES Branch, (502) 564-3410.

I. OUTFALL LOCATION AGENCY USE

For each outfall list the latitude and longitude of its location to the nearest 15 seconds and name the receiving water.

A. Outfall Number		B. Latitude			C. Longitude		D. Receiving Water (name)
001	36	48	34	87	24	52	storm water retention pond which runs into the on-site quarry lake
002	36	48	24	87	24	59	drainage ditch which runs into the Rock Bridge of the South Fork of the Little River
003	36	48	26	87	25	03	drainage ditch which runs into the on-site quarry lake
004	36	48	29	87	25	05	same as 002

### II. IMPROVEMENTS

A. Are you now required by any federal, state, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

I. Identification of Conditions,     Agreements, Etc.	2. Affected Outfalls No. Source of Discharge	3. Brief Description of Project	4. Final Compliance Date a. req. b. proj.
N/A			

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

### III. SITE DRAINAGE MAP

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each know past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each

of its hazardous waste treatment, storage of disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

drained to	the outfall, and an estimate of the	e total surface area drai	ned by the ou	ıtfall.	,
Outfall	Area of Impervious	Total Area Drained	Outfall	Area of Impervious	Total Area Drained
Number	Surface (provide units)	(provide units)	Number	Surface (provide units)	(provide units)
001	2 acres	7 acres	002	0.5 acres	1 acre
003	0.5 acre	1 acre	004	0.5 acres	1 acre
	l				
dispos manag areas; Product (e inspected d Commercia	le a narrative description of signed in a manner to allow expost gement practices employed to mand the location, manner, and frethanol) storage tanks are locatedaily for the presence of leaks that ally-available weed killers (e.g. rs or fertilizers are applied.	are to storm water; me inimize contact by the equency in which pestic ed outdoors in a secont t could impact storm w	ethod of treat se materials cides, herbicion dary contain vater.	tment, storage, or disposal; p with storm water runoff; mades, soil conditioners, and fert nment area. The storage ta	past and present materials terials loading and access tilizers are applied. Inks and containment are
polluta mainte	ach outfall, provide the location ants in storm water runoff; and a mance for control and treatment	description of the trea	atment the sto	orm water receives, including	the schedule and type of the than by discharge.
Outfa Numb		Tres	atment		List Codes from Table F-1
001 - 004	no pretreatment	1100	atment		N/A
	ORM WATER DISCHARGES				
A. I certif	fy under penalty of law that the o	outfall(s) covered by the	is application	have been tested or evaluate	d for the presence of non-
	r discharges, and that all non-sto				
	application for the outfall.				
Name and Of	ficial Title (type or print)	Signature			Date Signed
		12.0	1		
Mick Hend	lerson - General Manager	Muck O	e de-		June 30, 2008
B. Provid a test.	le a description of the method use	ed, the date of any testing		•	e directly observed during

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs)

IV. NARRATIVE DESCRIPTION OF POLLUTANT SOURCES

VI. SIGNIFICANT LEAKS OR SPILLS

three years, including the approxi				
N/A		para da aduar, una da		
<u> </u>				
			ing distribution of the second	
VII. DISCHARGE INFORMATION				엄마를 빨빨리는 경기를 가는 것이다.
A,B,C, & D: See instructions be			all. Annotate	the outfall number in the space
provided. Tables F-1, F-2, and F			1 52 52	T 4
E: Potential discharges not c currently use or manufacture as a			ole F-2, F-3,	or F-4, a substance which you
Yes (list all such pollutants		No (go to Section IX)		
	<u> </u>			
VIII. BIOLOGICAL TOXICITY TES				
Do you have any knowledge or a discharges or on a receiving water			onic toxicity	has been made on any of your
discharges of on a receiving water	in relation to your discharge	within the last 3 years?		
Yes (list all such results belo	ow) 🗵 1	No (go to Section IX)		
IX. CONTRACT ANALYSIS INFOR	MATION			
Were any of the analyses reported	d in item VII performed by a co	ontract laboratory or consu	lting firm?	
Yes (list the name, address and	d telephone number of, and pollutants a	analyzed by each such laboratory	or firm below; u	se additional sheets if necessary).
No (go to Section IX)				
A. Name	B. Address	C. Area Code & Pho	no No	D Bollutoute Analyzed
A. Ivaine	D. Address	C. Area Code & File	me No.	D. Pollutants Analyzed
X. CERTIFICATION			<u> </u>	
I certify under penalty of law that	at this document and all attach	ments were prepared unde	r my directio	n or supervision in accordance
with a system designed to assure				
of the person or persons who ma				
submitted is, to the best of my k				
submitting false information incl		d imprisonment for knowir	ng violations.	
NAME & OFFICIAL TITLE (	type or print)		AREA COL	DE AND PHONE NO.
Mick Handaugen Consus 34-	magan		(270) 475 44	115
Mick Henderson - General Man SIGNATURE	iager		(270) 475-44	
			DATE SIGN	NED.
Ohing Hand				
	1 /		June 30, 2008	

VII. DISCHARGE INFORMATION

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Maximum Values

(include units)

(include units)

		m Values e units)		e Values le units)		
Pollutant and CAS Number (if available)	Grab Sample Taken During 1** 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
Oil and Grease	2.2 mg/L	N/A	-		1*	
Biological Oxygen Demand BOD <sub>5</sub>						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)	13 mg/L				1*	
Total Kjeldahl Nitrogen						
Nitrate plus Nitrite Nitrogen						
Total Phosphorus						
pH	Minimum 7.69	Maximum	Minimum	Maximum	1*	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

requirements.	Maximu (includ		(includ	e Values le units)		
Pollutant and CAS Number (if available)	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
TSS	13 mg/L				1*	
Chromium	< 0.005 mg/L				1*	
TDS	141 mg/L				1*	
Hardness(as CaCO3)	91.8 mg/L				1*	.*
Antimony	< 0.01 mg/L				1*	
Arsenic	< 0.01 mg/L				1*	
Berylium	< 0.001 mg/L				1*	
Cadmium	< 0.002 mg/L				[*	
Calcium	28.9 mg/L				1*	
Copper	0.006 mg/L				1*	
Lead	< 0.006 mg/L				į*	
Oil and Grease	2.2 mg/L				1*	
Mercury	< 0.0002 mg/L				1*	
Nickel	< 0.005 mg/L				1*	
Selenium	< 0.01 mg/L				1*	
Silver	< 0.005 mg/L				1*	
Thallium	< 0.02 mg/L				1*	
Zinc	0.011 mg/L				1*	

<sup>\*</sup> DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results vised June 1999 and other DMR data for the duration of the permit is under development and will be provided, if requested.

equirements. Compre	ete one table for each outf	m Values	A	Value	<del></del>	
		m vaiues e units)	Average (include	Values units)		
Pollutant and CAS Number (if available)	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1st 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
litrate-Nitrite		Composito	20 Minutes	Composite	Sampled	1 Unutants
ulfate						
	-				-	
····						
						1/4 <del>/</del>
<del></del>						
		10.100		···········		
						-
		71.0 Year - 1.0 Annual - 1.0 An		···		
						· · · · ·
		***************************************				
			num values for the flow-w		ple.	
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5.  Maximum flow rate during rain event (gal/min or specify units)	even spe	6. low from rain t (gallons or cify units)
	*	*	*	*	*	
Provide a description ow measured at wie	on of the method of flow	measurement or estimat	е.			

VII. DISCHARGE INFORMATION **OUTFALL NO: 002** Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. Average Values Maximum Values (include units) (include units) Pollutant and **Grab Sample** Grab Sample Number of Sources of Taken During 1st Taken During 1st Flow-weighted Flow-weighted **Pollutants CAS Number** Storm Events (if available) 20 Minutes Composite 20 Minutes Composite Sampled N/A < 1.7 mg/L Oil and Grease **Biological** Oxygen Demand BOD<sub>5</sub> Chemical Oxygen Demand (COD) Total Suspended Solids (TSS) 13 mg/L Total Kjeldahl Nitrogen Nitrate plus Nitrite Nitrogen Total Phosphorus Minimum 7.53 Maximum Minimum Maximum Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements. Maximum Values **Average Values** (include units) (include units) Pollutant and Grab Sample Grab Sample Number of Sources of Taken During 1st Taken During 1st **CAS Number** Flow-weighted Flow-weighted Storm Events **Pollutants** (if available) 20 Minutes Composite 20 Minutes Composite Sampled TSS 13 mg/L 0 & G < 1.7 mg/L 1\* < 0.005 mg/L Chromium Hardness(as CaCO3) 108 mg/L 1\* < 0.01 mg/L Antimony 1\* < 0.01 mg/L 1\* Arsenic 1\* Berylium < 0.001 mg/L Cadmium < 0.002 mg/L1\* Calcium 35.5 mg/L 1\* Copper < 0.005 mg/L1\* < 0.006 mg/L Lead 1\* Mercury < 0.0002 mg/L Nickel < 0.005 mg/L1\* < 0.01 mg/LSelenium 1\* < 0.005 mg/LSilver 1\*

1\*

1\*

Thallium

Zinc

< 0.02 mg/L

< 0.01 mg/L

<sup>\*</sup> DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results of June 1999 and other DMR data for the duration of the permit is under development and will be provided, if requested.

Part C - List each por	ollutant shown in Tables ete one table for each out	F-2, F-3, and F-4 that	you know or have reason	to believe is present.	See the instruction	ns for additional details and
	Maximum Values		Average Values		T I	·
Pollutant and	(include units)  Grab Sample		(include units)  Grab Sample		Number of	
CAS Number	Taken During 1st	Flow-weighted	Taken During 1st	Flow-weighted	Storm Events	Sources of
(if available)	20 Minutes	Composite	20 Minutes	Composite	Sampled	Pollutants
Nitrate-Nitrite						
Sulfate					<b>!</b>	
					<del>                                     </del>	
		Y				
	<u>                                     </u>					
-						
				•		
						· · · · · · · · · · · · · · · · · · ·
,						
Part D - Provide data	for the storm event(s) wh	ch resulted in the maxim	num values for the flow-w	eighted composite sam	nle	
1.	2.	3.	4.	5.		6.
Date of Storm Event	Duration of Storm Event	Total rainfall during storm	Number of hours between beginning of	Maximum flow rate during		l flow from rain ent (gallons or
Storm Event	(in minutes)	event (in inches)	storm measured and	rain event	s	pecify units)
			end of previous measurable rain event	(gal/min or specify units)		
*	*	*	*	*	*	
		:				
7 Provide a descripti	on of the method of flow	measurement or estimate	<u> </u>			
Bucket and stopwatch		made continue of confidence		***************************************		

#### VII. DISCHARGE INFORMATION **OUTFALL NO: 003** Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. Maximum Values Average Values (include units) (include units) Grab Sample Grab Sample Sources of Pollutant and Number of **CAS Number** Taken During 1st Flow-weighted Taken During 1st Flow-weighted Storm Events **Pollutants** 20 Minutes Composite (if available) 20 Minutes Composite Sampled N/A Oil and Grease 2.2 mg/L Biological Oxygen Demand BOD<sub>5</sub> Chemical Oxygen Demand (COD) Total Suspended Solids (TSS) 10 mg/L Total Kjeldahl Nitrogen Nitrate plus Nitrite Nitrogen Total Phosphorus Minimum 7.94 Maximum Minimum Maximum Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements. Maximum Values Average Values (include units) (include units) Grab Sample Grab Sample Pollutant and Number of Sources of Taken During 1st Taken During 1st **CAS Number** Flow-weighted Flow-weighted Storm Events **Pollutants** (if available) 20 Minutes Composite 20 Minutes Composite Sampled TSS 10 mg/L 0 & G 2.2 mg/L < 0.005 mg/L Chromium 108 mg/L Hardness(as CaCO3) < 0.01 mg/L Antimony Arsenic < 0.01 mg/LBerylium < 0.001 mg/LCadmium < 0.002 mg/L35.3 mg/L Calcium Copper 0.006 mg/L< 0.006 mg/LLead < 0.0002 mg/L1\* Mercury Nickel < 0.005 mg/L< 0.01 mg/LSelenium Silver < 0.005 mg/L1\*

1\*

Thallium

Zinc

< 0.02 mg/L

< 0.01 mg/L

<sup>\*</sup> DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results yield June 1999 and other DMR data for the duration of the permit is under development and will be provided, if requested.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)			
	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
litrate-Nitrite						
Sulfate						
a						
				· · ·		
					<del> </del>	
					-	
						•
<del>.</del>						
					<u> </u>	
		-			<u> </u>	
1.	2.	3.	num values for the flow-we 4.	5.		6.
Date of Storm Event	Duration of Storm Event (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measurable rain event	Maximum flow rate during rain event (gal/min or specify units)	event (gallons or specify units)	
i	*	*	*	*	*	
<ul> <li>Provide a descripti</li> <li>Bucket and stopwatch</li> </ul>	on of the method of flow method.	measurement or estimat	e.			

# VII. DISCHARGE INFORMATION Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. Maximum Values (include units) (include units)

Pollutant and CAS Number (if available)	(include units)		Average values (include units)			
	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
Oil and Grease	1.8 mg/L	N/A			1*	
Biological Oxygen Demand BOD <sub>3</sub>						<u> </u>
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)	11 mg/L				1*	
Total Kjeldahl Nitrogen						
Nitrate plus Nitrite Nitrogen						
Total Phosphorus						
рН	Minimum 7.88	Maximum	Minimum	Maximum	l*	

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's KPDES permit for its process wastewater (if the facility is operating under an existing KPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)			
	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
TSS	11 mg/L				1*	
O&G	1.8 mg/L				1*	
Chromium	< 0.005 mg/L				1*	
Hardness(as CaCO3)	97.7 mg/L	***			1*	
Antimony	< 0.01 mg/L				1*	
Arsenic	< 0.01 mg/L				1*	
Berylium	< 0.001 mg/L				1*	
Cadmium	< 0.002 mg/L				1*	
Calcium	30.4 mg/L				1*	
Copper	< 0.005 mg/L				1*	
Lead	< 0.006 mg/L				1*	
Mercury	< 0.0002 mg/L				1*	
Nickel	< 0.005 mg/L				1*	
Selenium	< 0.01 mg/L				[*	
Silver	< 0.005 mg/L				1*	
Thallium	< 0.02 mg/L				[*	
Zinc	0.065 mg/L				1*	

<sup>\*</sup> DMRs are submitted to the Division of Water on a regular schedule. The analytical results provided on this form are from a recent storm water sampling event (April 4, 2008). A table summarizing analytical results vised June 1999 and other DMR data for the duration of the permit is under development and will be provided, if requested.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)			
	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Grab Sample Taken During 1 <sup>st</sup> 20 Minutes	Flow-weighted Composite	Number of Storm Events Sampled	Sources of Pollutants
Nitrate-Nitrite						·
Sulfate						
				<del>.</del>		
			1			
				<u> </u>		
Part D - Provide data	for the storm event(s) whi	ch resulted in the maxir	num values for the flow-w	eighted composite sam	unle	· · · · · · · · · · · · · · · · · · ·
1.	2. Duration of	3.	4.	5.		6.
Date of Storm Event	Storm Event	Total rainfall during storm	Number of hours between beginning of	Maximum flow rate during		ow from rain (gallons or
	(in minutes)	event (in inches)	storm measured and end of previous	rain event (gal/min or	spec	cify units)
··	*	*	measurable rain event	specify units)		
	*	*	*	*	*	
Provide a descript Bucket and stopwatch	on of the method of flow	measurement or estimat	e.			

### **ATTACHMENTS**

### USGS Topographic Map

A 7 1/2-minute quadrangle USGS topographic map for the Hopkinsville, Kentucky Quadrangle is attached for reference. Please note that the Quarry Lake is significantly larger than shown in the USGS topographic map (revision date on the map is 1982). A vicinity map prepared in 1999 that shows the current size of the Quarry Lake is also enclosed for reference. The vicinity map was obtained from the Quarry Safe Yield Report that was prepared for the Hopkinsville Water Environment Authority.

### Site Plan

A site plan showing the loading and access areas, processing building, and proposed equipment layout is attached for reference. The product (ethanol) storage tanks are located outdoors and could potentially impact storm water discharge. The product storage tanks and associated containment area will be inspected daily for the presence of leaks that could impact storm water discharge. A formal, written Best Management Practices (BMP) Plan was developed that establishes on-site emergency coordinators and procedures that will be implemented in the event of a leak or spill that could impact storm water discharge.

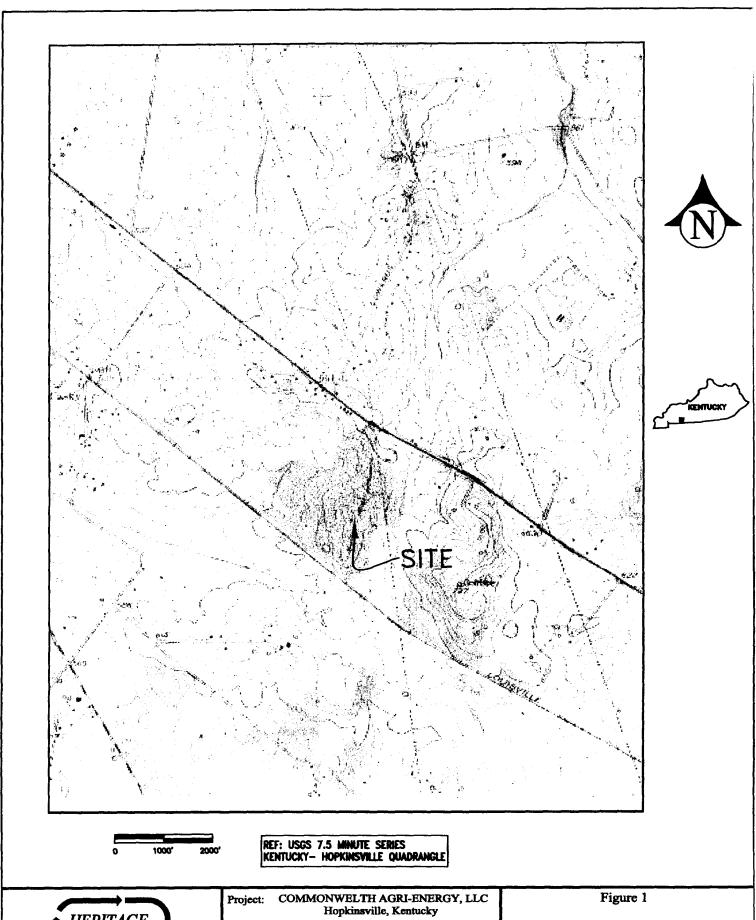
### **Property Boundary Layout**

A drawing showing property boundaries and survey data is attached for reference. The on-site Casky Quarry Lake is shown in this drawing. Outfall 001 discharges into a storm water retention pond, which runs into the on-site quarry lake. Outfalls 002 and 004 discharge to a drainage ditch, which runs into the Rock Bridge Branch of the South Fork of the Little River. Outfall 003 discharges into a drainage ditch, which runs into the on-site quarry lake.

This drawing also shows the proposed locations of (a) water intake, (b) pump and flow meter, (c) course and direction of flow at the site, (d) course of water being recycled [at reverse osmosis unit and cooling tower], and (e) location of process water (non-contact cooling and blow downs) discharge. There will be no hazardous waste treatment, storage, or disposal units. There will be no underground injection on site.

### Water Flow Line Drawing

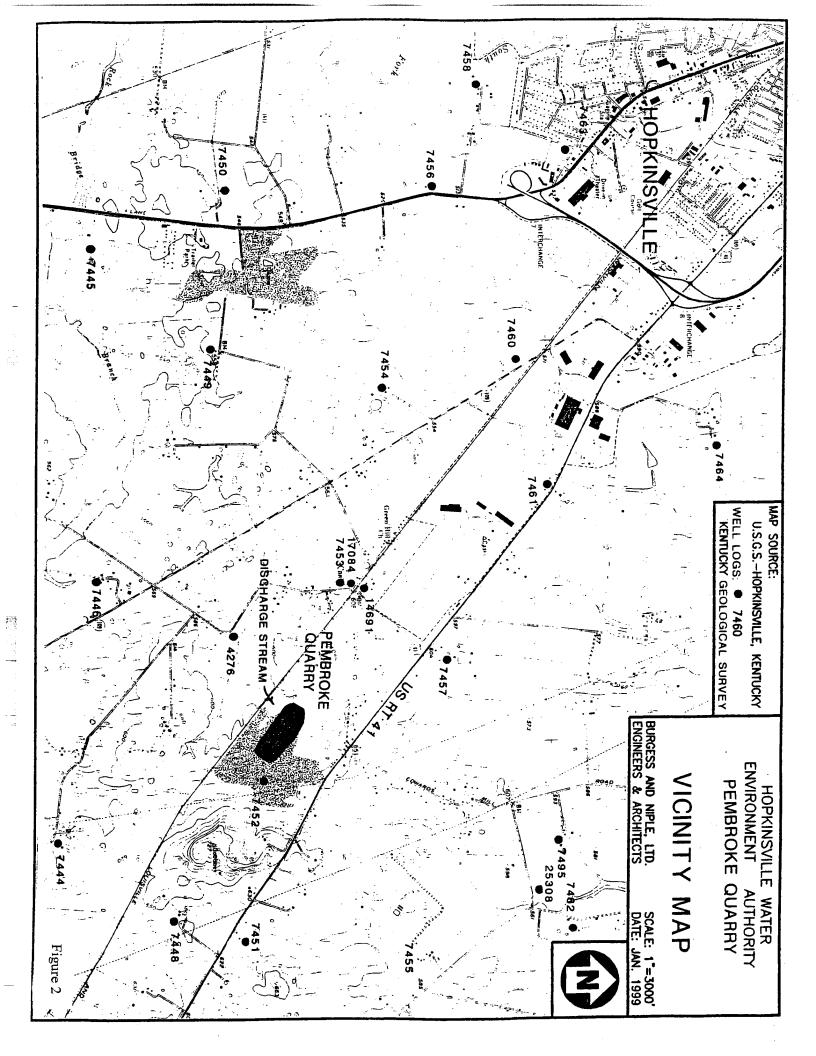
A general line drawing showing water flow through the facility is attached for reference.

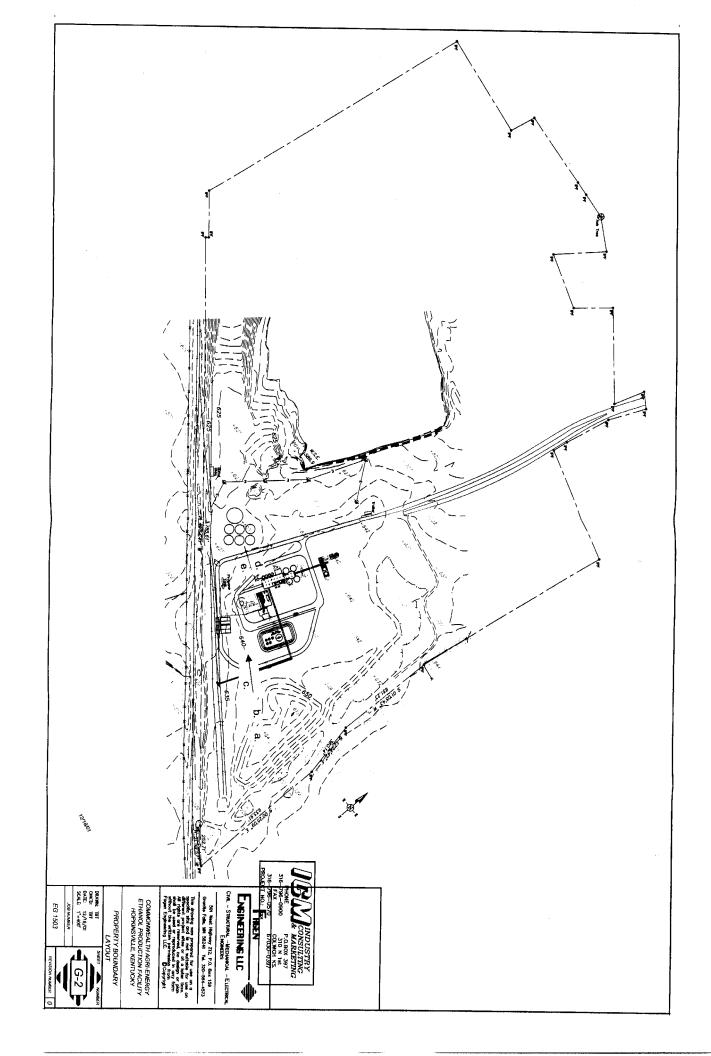


HERITAGE ENVIRONMENTAL SERVICES,

Sgale: Project Number: 1"=2000" Drawn By: J.CLARK 912853 Approved By: MW

SITE LOCATION MAP





**WATER FLOW LINE DRAWING**Commonwealth Agri-Energy - Hopkinsville, KY

